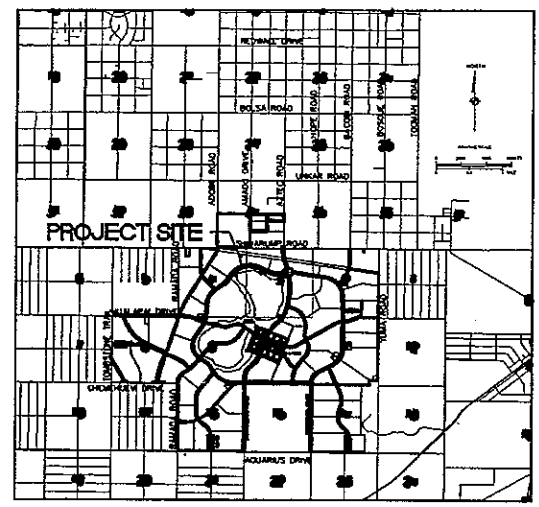
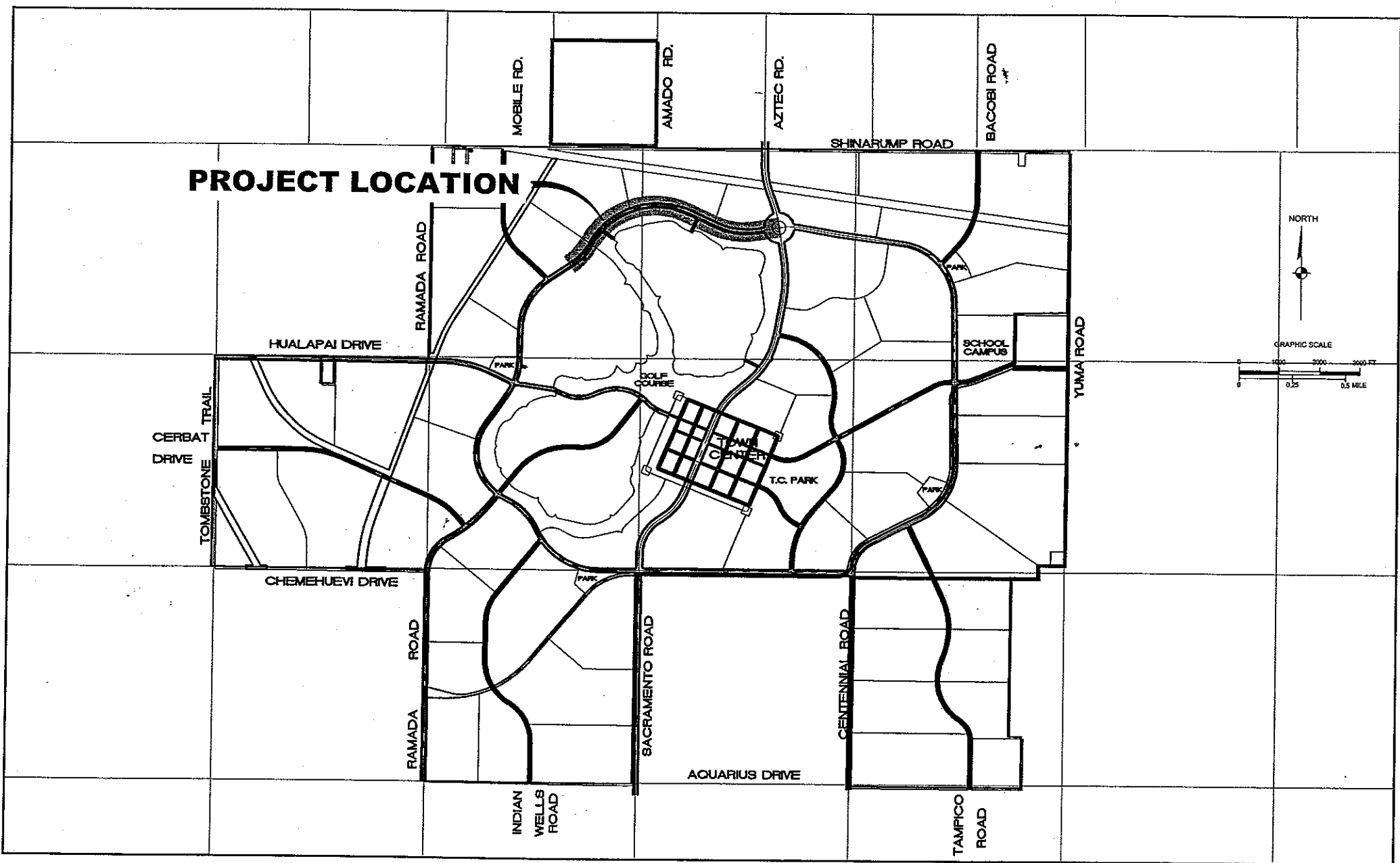


WEST LOOP ROAD SECTION 2 IMPROVEMENTS AT GOLDEN VALLEY RANCH FOR RHODES HOMES ARIZONA, LLC



ENGINEERS ESTIMATED QUANTITIES

SEWER	
ITEM	QUANTITY
18" P.V.C. SEWER LINE	5,409 LF
15" P.V.C. SEWER LINE	3,135 LF
8" P.V.C. SEWER LINE	800 LF
15" SEWER STUB AND CAP	1 EA
6" SEWER STUB AND CAP	8 EA
60" DIA. SANITARY SEWER MANHOLES	21 EA

STORM DRAIN	
ITEM	QUANTITY
27" RCP STORM DRAIN	000 LF
SCUPPER	000 EA
CURB AND GRATE INLET	000 EA
48" DIA. STORM DRAIN MANHOLE	000 EA

WATER	
ITEM	QUANTITY
24" CS900 PVC WATER LINE	7,938 LF
24" BUTTERFLY VALVE	7 EA
24" X 24" X 24" TEE	1 EA
24" X 24" X 6" TEE	2 EA
24" X 24" X 6" TEE	8 EA
24" X 24" X 6" X 6" CROSS	3 EA
24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	1 EA
24" 45° BEND	8 EA
24" 22.5° BEND	000 EA
6" CS900 PVC WATER LINE	1,197 LF
6" GATE VALVE	8 EA
6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	8 EA
6" 22.5° BEND	2 EA
6" CS900 PVC WATER LINE	472 LF
6" GATE VALVE	8 EA
6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	000 EA
FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. # 360	8 EA
2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER LINE	5 EA
PER CITY OF KINGMAN STD. DTL. # 344	
(2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE	16 EA

STREETS	
ITEM	QUANTITY
A.C. PAVEMENT	000 CY
TYPE B AGGREGATE BASE	000 CY
STREET NAME SIGN	000 EA
STOP SIGN	000 EA
SPEED LIMIT SIGN	000 EA
NO PARKING SIGN	000 EA
30" ROLL CURB & GUTTER	000 LF
24" RIBBON CURB & GUTTER	000 LF
SIDEWALK	000 SF
VALLEY CUTTER	000 SF
DRIVEWAY	000 EA
ALLEY ENTRANCE	000 EA
STREET LIGHT AND POLE	000 EA
STREETLIGHT CONDUIT	000 LF
SURVEY MONUMENTS	000 EA

NOTE: QUANTITIES SHOWN ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EXACT QUANTITIES.

SHEET INDEX

G-1	COVER SHEET	1 OF 43
G-2	GENERAL NOTES AND ABBREVIATIONS	2 OF 43
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PP-1 TO PP-14	PLAN AND PROFILE	7 TO 20 OF 43
UP-1 TO UP-13	UTILITY PLAN AND PROFILE	21 TO 33 OF 43
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DT-1 TO DT-5	DETAIL SHEET	38 TO 42 OF 43
PRV-1	PRESSURE REDUCING STATION	43 OF 43

UTILITIES

SEWAGE DISPOSAL:	(TO BE DETERMINED)	
WATER:	(TO BE DETERMINED)	
ELECTRICITY:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
TELEPHONE:	FRONTIER COMM.	2202 STOCKTON HILL (928) 753-3000
GAS:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
SOLID WASTE COLLECT:	WASTE MANAGEMENT	3250 CATLIN DRIVE (928) 718-4900
SOLID WASTE DISPOSAL:	MOHAVE COUNTY	201 N. 4TH STREET (928) 753-0723
FIRE PROTECTION:	GOLDEN VALLEY DIST.	3327 N. MAYER RD. (928) 565-3479

OWNER

SOUTH DAKOTA CONSERVANCY LLC
4730 S. FORT APACHE RD
SUITE 300
LAS VEGAS, NEVADA 89147
(702) 873-5538

DEVELOPER

RHODES HOMES ARIZONA LLC
2215 HUALAPAI MTN. RD.
SUITE H
KINGMAN, ARIZONA 86401
(928) 718-2210

ENGINEER / SURVEYOR

STANLEY CONSULTANTS, INC.
5820 S. EASTERN AVENUE
SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9396

LEGAL DESCRIPTION

A DIVISION OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA AND SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA

BASIS OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA AND SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS. M.C.S.D. "SD 35" = LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83) HEIGHT 2466.568241ft (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION = 2659.468ft (NGVD '29)
CONVERSION = 2662.014ft (NAVD '88) - 2.546 = 2659.468ft (NGVD '29)
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1999 "RLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.



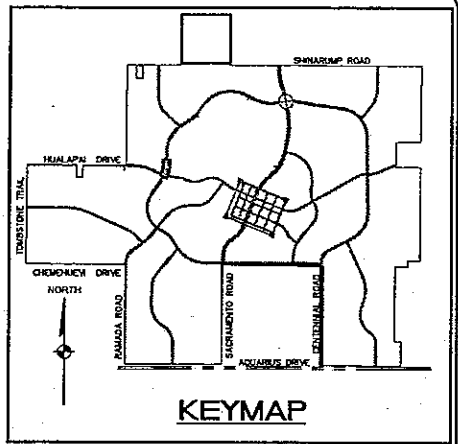
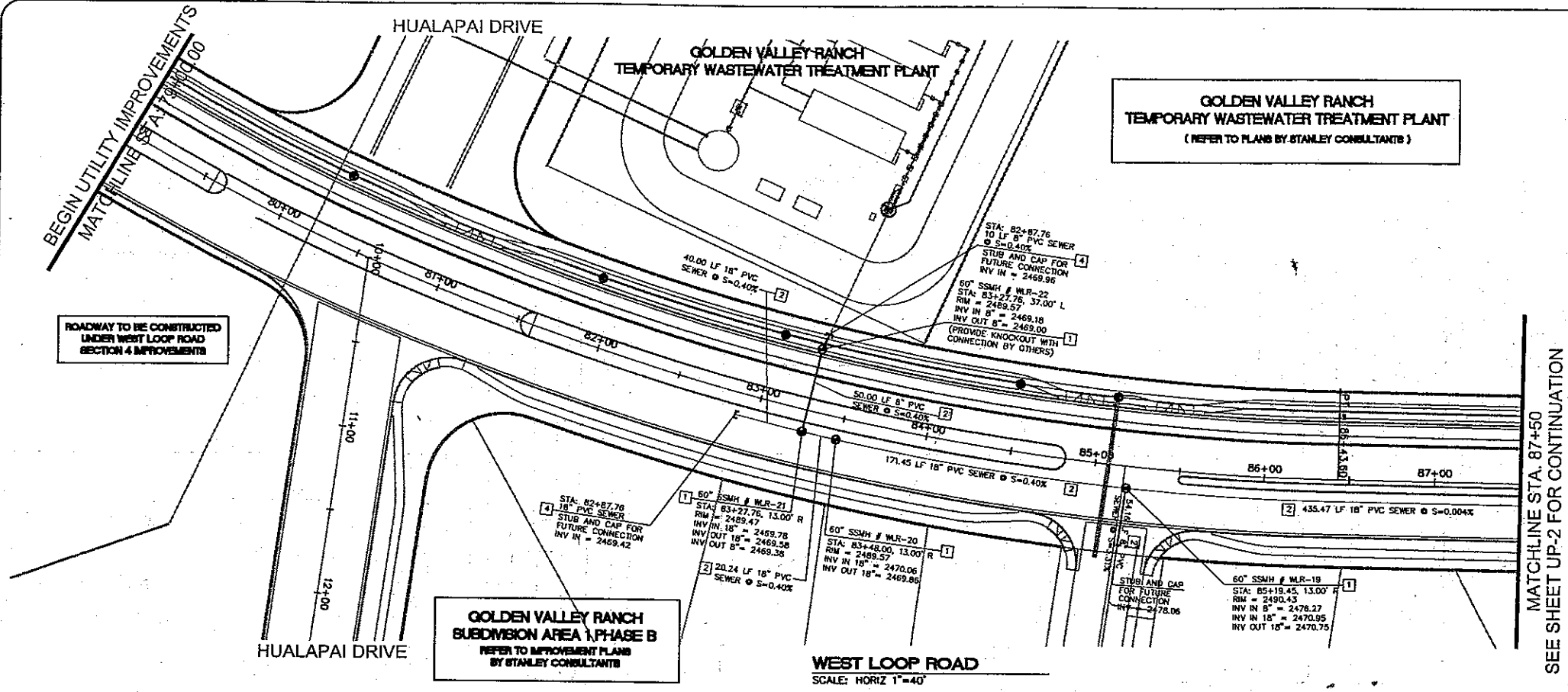
SCALE (H) N.T.S.	SCALE (V) N.T.S.	DRAWN BY ENG	CHECKED BY MPB	DATE 8/31/05
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5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-9396 Fax (702) 369-9793
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RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
WEST LOOP ROAD SECTION 2 IMPROVEMENTS
COVER SHEET
SHEET
G-1
1 OF 43 SHEETS
SCI PROJECT # 18449.03.03

SHEET
G-2
2 OF 43 SHEETS
SCI PROJECT#
18449.03.03



LEGEND

- 120 LOT NUMBER
- RIGHT OF WAY
- SUBDIVISION/UNIT BOUNDARY
- STREET LIGHT (100W HPS)
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- P.U.E. PUBLIC UTILITY EASEMENT
- C.E. COMMON ELEMENT
- WATER**
- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- FIRE HYDRANT ASSEMBLY
- TEE W/VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4, 22 1/2, 45, 90° BEND
- SEWER**
- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- OFF-SITE SANITARY SEWER MANHOLE
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE SANITARY SEWER MAIN
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE 4" PVC SEWER LATERAL
- SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- STUB AND CAP
- SEWER BACK WATER VALVE
- STORM DRAIN**
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STORM DRAIN PIPE

BASIS OF BEARING

NORTH 001°33'00" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 20 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35°06'22.70034"N, LONGITUDE 114°09'21.57240"W (NAD '83), HEIGHT 2562.463911M (NAVD '86)

STONE 1/4 COR 3/2 = LATITUDE 35°06'55.53385"N, LONGITUDE 114°10'30.72281"W (NAD '83), HEIGHT 2498.204581M (NAVD '86)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION = 2590.24273 FT (NAVD '86)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N. R. 18 W. AND THE INTERSECTION OF SHARARUP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343"

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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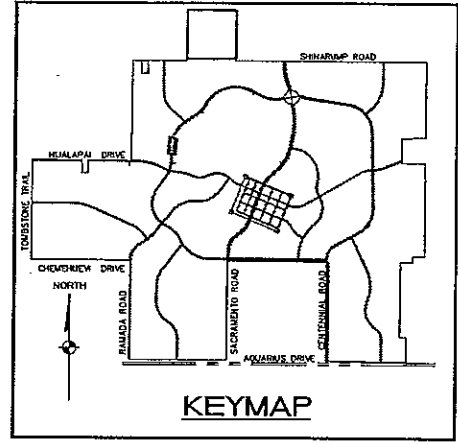
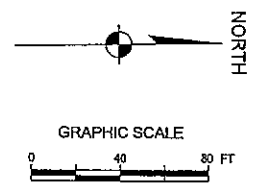
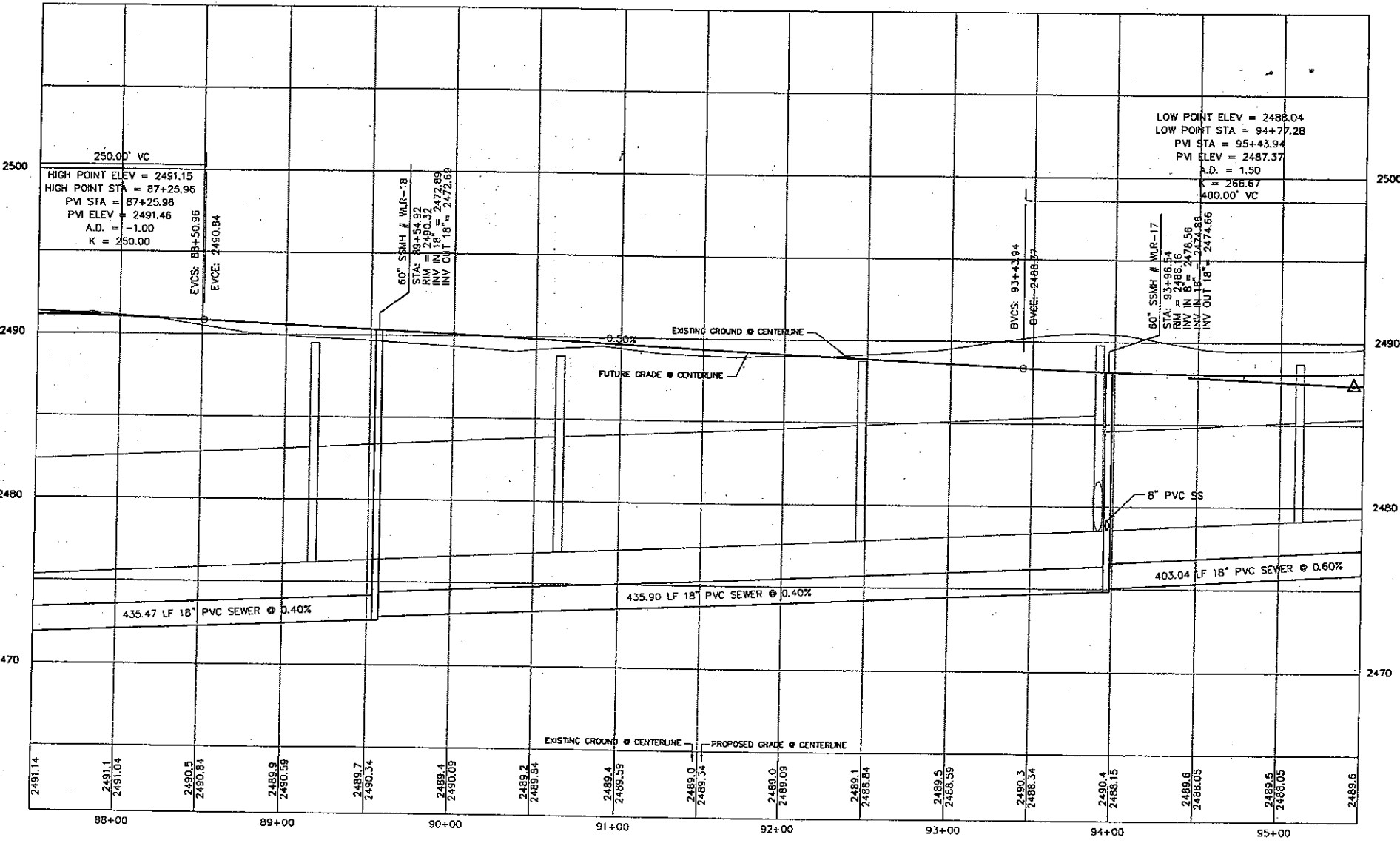
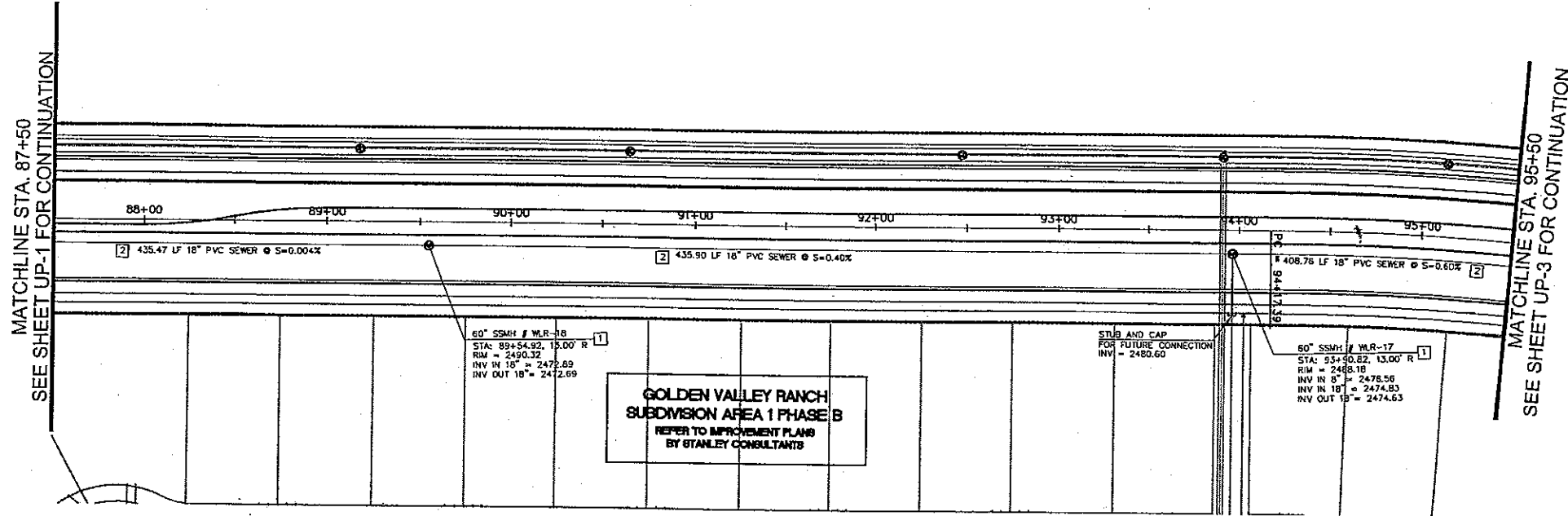
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RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 79+50 - 87+50
MOHAVE COUNTY ARIZONA

SHEET
UP-1
11 OF 43 SHEETS

SCI PROJECT
18449.03.03



PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNISOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.G.
STANDARDS

**GOLDEN VALLEY RANCH
SUBDIVISION AREA 1 PHASE B**
REFER TO IMPROVEMENT PLANS
BY STANLEY CONSULTANTS

LEGEND

- 120 LOT NUMBER
- RIGHT OF WAY
- SUBDIVISION/UNIT BOUNDARY
- STREET LIGHT (100W HPS)
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- P.U.E. PUBLIC UTILITY EASEMENT
- C.E. COMMON ELEMENT

WATER

- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45", 90" BEND

SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- OFF-SITE SANITARY SEWER MANHOLE
SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE SANITARY SEWER MAIN
SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE 4" PVC SEWER LATERAL
SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- STUB AND CAP
- SEWER BACK WATER VALVE

STORM DRAIN

- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STORM DRAIN PIPE

BASE OF BEARING

NORTH 00°13'38" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CLM 4 & SALT RIVER MESA, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

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BENCHMARK

BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT, NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343"

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

1. INSTALL 24" C900 PVC WATER LINE
2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" X 24" X 24" TEE
4. INSTALL 24" X 24" X 8" TEE
5. INSTALL 24" X 24" X 6" TEE
6. INSTALL 24" X 24" X 8" X 8" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 6" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 390
18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
20. INSTALL 12" C900 PVC WATER LINE
21. INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
7. INSTALL 48" RCP STORM DRAIN
8. INSTALL 54" RCP STORM DRAIN
9. INSTALL WOOD TYPE "C" STORM DRAIN INLET SEE DETAIL ON SHEET 012 AND 017 FOR PROFILE
10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET 014
11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2" VERTICAL SEPARATION WITH C.U.M. 10 FEET HORIZONTALLY EACH WAY.

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION



DATE	8/30/05
CHECKED BY	MPB
DRAWN BY	VND
SCALE (H)	1"=40'
SCALE (V)	1"=4'

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Las Vegas, Nevada 89119
(702) 389-5355 Fax (702) 389-9793
www.stanleygroup.com

Stanley Consultants INC.
ARIZONA

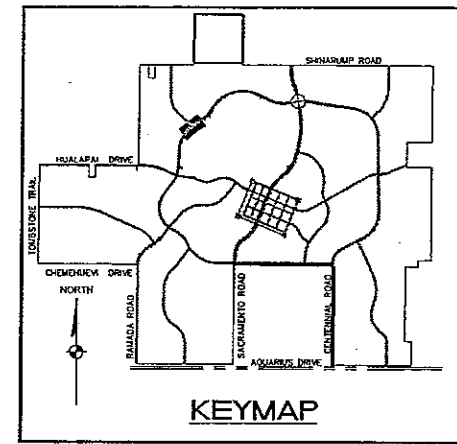
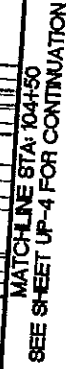
**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

**WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 87+50 - 95+50**

MOHAVE COUNTY

SHEET
UP-2
11 OF 43 SHEETS

SCI PROJECT#
18449.03.03



**GOLDEN VALLEY RANCH
SUBDIVISION AREA 1 PHASE B
REFER TO IMPROVEMENT PLANS
BY STANLEY CONSULTANTS**

	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	STORM DRAIN PIPE

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

Avoid cutting underground
utility lines. It's costly.
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(1-800-STAGE-1)

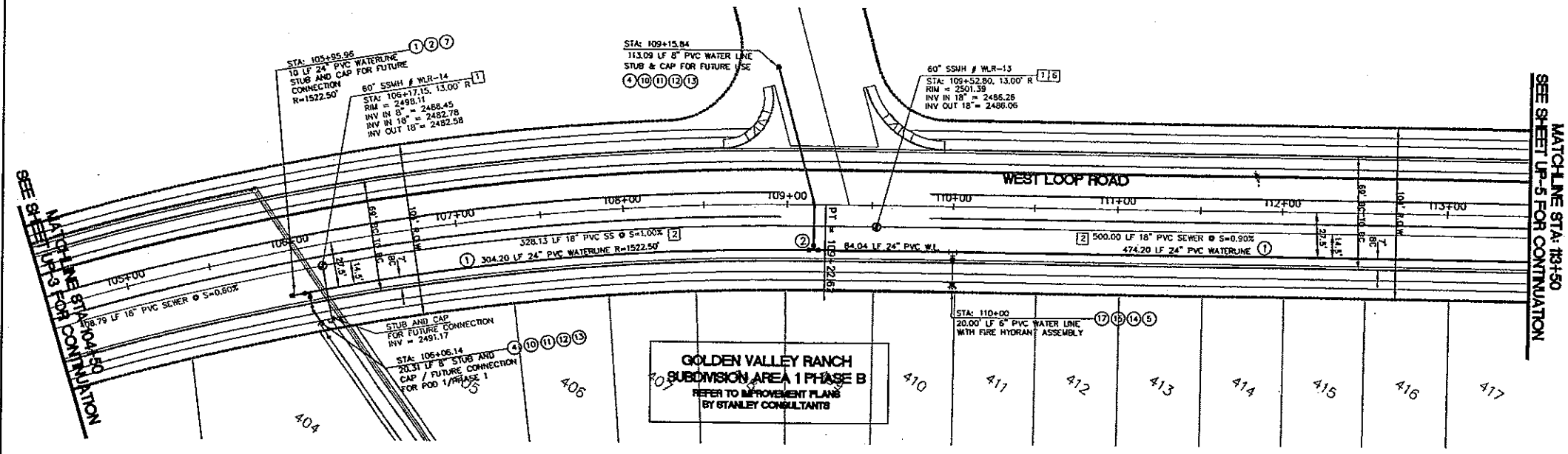
Avoid switched power
live conduct.
Call
before you
Overhead
1-828-753-5591
UNSWITCH

- 1 INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
- 2 INSTALL 8" PVC SEWER MAIN
- 3 INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
- 4 INSTALL 8" PVC SEWER STUB & CAP

- ⑦ INSTALL 24" CS900 PVC WATER LINE
- ⑧ INSTALL 24" BUTTERFLY VALVE
- ⑨ INSTALL 24" x 24" x 24" TEE
- ⑩ INSTALL 24" x 24" x 8" TEE
- ⑪ INSTALL 24" x 24" x 6" TEE
- ⑫ INSTALL 24" x 24" x 8" x 8" CROSS
- ⑬ INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑭ INSTALL 24" 45° BEND
- ⑮ INSTALL 24" 22.5° BEND
- ⑯ INSTALL 8" CS900 PVC WATER LINE
- ⑰ INSTALL 8" GATE VALVE
- ⑱ INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑲ INSTALL 8" 22.5° BEND
- ⑳ INSTALL 6" CS900 PVC WATER LINE
- ㉑ INSTALL 6" GATE VALVE
- ㉒ INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ㉓ INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 350
- ㉔ INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
- ㉕ INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
- ㉖ INSTALL 12" CS900 PVC WATER LINE
- ㉗ INSTALL 12" 45° BEND

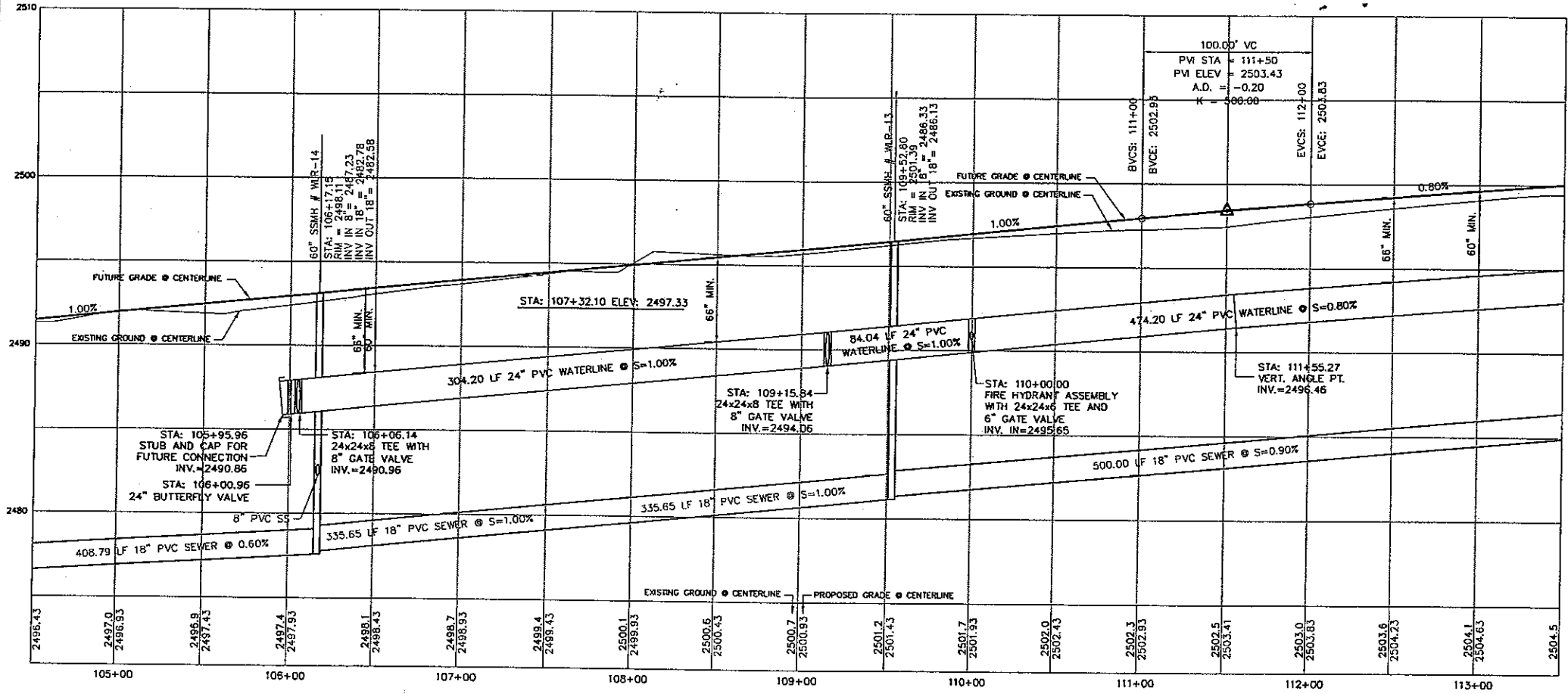
- 1 INSTALL 48" DIAMETER SD W/ HAMPLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
- 2 INSTALL 18" RCP STORM DRAIN
- 3 INSTALL 24" RCP STORM DRAIN
- 4 INSTALL 27" RCP STORM DRAIN
- 5 INSTALL 30" RCP STORM DRAIN
- 6 INSTALL 42" RCP STORM DRAIN
- 7 INSTALL 48" RCP STORM DRAIN
- 8 INSTALL 54" RCP STORM DRAIN
- 9 INSTALL MCD. TYPE 'C' STORM DRAIN INLET
SEE DETAIL ON SHEET D72 AND D77 FOR PROFILE
- 10 CONSTRUCT STORM DRAIN CROSSING SEWER PER
DETAIL ON SHEET D14
- 11 CONSTRUCT WATER AND SEWER CROSSING PER
M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM
2" VERTICAL SEPARATION WITH C.I.W. 10 FEET
HORIZONTALLY EACH WAY.

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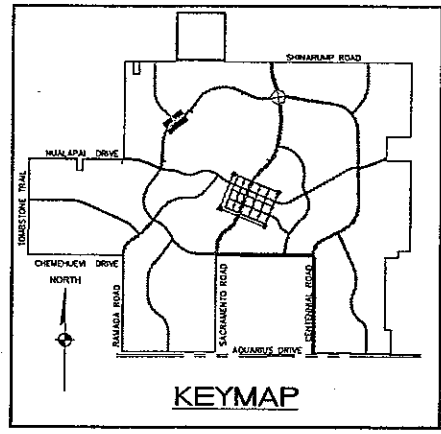
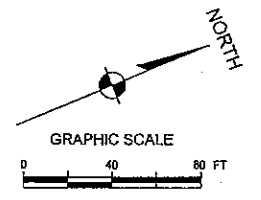


GOLDEN VALLEY RANCH
SUBDIVISION AREA 1 PHASE B
REFER TO IMPROVEMENT PLANS
BY STANLEY CONSULTANTS

WEST LOOP ROAD
SCALE: HORIZ 1"=40'



WEST LOOP ROAD
SCALE: HORIZ 1"=40'
VERT 1"=4'



- LEGEND**
- | | |
|--------|---------------------------|
| 120 | LOT NUMBER |
| --- | RIGHT OF WAY |
| --- | SUBDIVISION/UNIT BOUNDARY |
| ○ | STREET LIGHT (100W HPS) |
| □ | NO. 3-1/2" PULL BOX |
| + | SERVICE PEDESTAL |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| C.E. | COMMON ELEMENT |
- WATER**
- | | |
|-----|---------------------------------|
| --- | WATER MAIN |
| --- | 3/4" WATER METER |
| --- | W/ 1" COPPER WATER LATERAL |
| --- | FIRE HYDRANT ASSEMBLY |
| --- | TEE W/ VALVE |
| --- | 2" BLOWOFF ASSEMBLY |
| --- | GATE VALVE OR BUTTERFLY VALVE |
| --- | 11 1/4", 22 1/2", 45", 90" BEND |
- SEWER**
- | | |
|-----|---|
| --- | SANITARY SEWER MANHOLE |
| --- | SANITARY SEWER MAIN |
| --- | 4" PVC SEWER LATERAL |
| --- | OFF-SITE SANITARY SEWER MANHOLE |
| --- | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE SANITARY SEWER MAIN |
| --- | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE 4" PVC SEWER LATERAL |
| --- | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | STUB AND CAP |
| --- | SEWER BACK WATER VALVE |
- STORM DRAIN**
- | | |
|-----|---------------------|
| --- | STORM DRAIN MANHOLE |
| --- | STORM DRAIN INLET |
| --- | STORM DRAIN PIPE |

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNDISOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.G.
STANDARDS

- SEWER CONSTRUCTION NOTES**
1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
 2. INSTALL 8" PVC SEWER MAIN
 3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
 4. INSTALL 8" PVC SEWER STUB & CAP

- WATER CONSTRUCTION NOTES**
1. INSTALL 24" C900 PVC WATER LINE
 2. INSTALL 24" BUTTERFLY VALVE
 3. INSTALL 24" X 24" X 24" TEE
 4. INSTALL 24" X 24" X 8" TEE
 5. INSTALL 24" X 24" X 6" TEE
 6. INSTALL 24" X 24" X 8" X 8" CROSS
 7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 8. INSTALL 24" 45° BEND
 9. INSTALL 24" 22.5° BEND
 10. INSTALL 8" C900 PVC WATER LINE
 11. INSTALL 8" GATE VALVE
 12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 13. INSTALL 8" 22.5° BEND
 14. INSTALL 6" C900 PVC WATER LINE
 15. INSTALL 6" GATE VALVE
 16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
 18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
 19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
 20. INSTALL 12" C900 PVC WATER LINE
 21. INSTALL 12" 45° BEND

- STORM DRAIN CONSTRUCTION NOTES**
1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
 2. INSTALL 18" RCP STORM DRAIN
 3. INSTALL 24" RCP STORM DRAIN
 4. INSTALL 27" RCP STORM DRAIN
 5. INSTALL 30" RCP STORM DRAIN
 6. INSTALL 42" RCP STORM DRAIN
 7. INSTALL 48" RCP STORM DRAIN
 8. INSTALL 54" RCP STORM DRAIN
 9. INSTALL MOD. TYPE "C" STORM DRAIN INLET SEE DETAIL ON SHEET 012 AND 017 FOR PROFILE
 10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET 014
 11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2" VERTICAL SEPARATION WITH C.I.M.A. 10 FEET HORIZONTALLY EACH WAY.

BASIS OF BEARINGS

NORTH 001°33' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CLAY & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35°09'22.70034"N, LONGITUDE 114°09'21.57240"W (NAD '83) HEIGHT 2562.46391111 (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N, LONGITUDE 114°10'30.72281"W (NAD '83) HEIGHT 2498.20458111 (NAVD'88)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION = 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."


DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION



DATE	8/30/05
BY	MPB
CHECKED	MPB
DRAWN	VND
SCALE	1"=40'
SCALE	1"=4'

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Las Vegas, Nevada 89115
(702) 369-9395 Fax (702) 369-9793
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RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

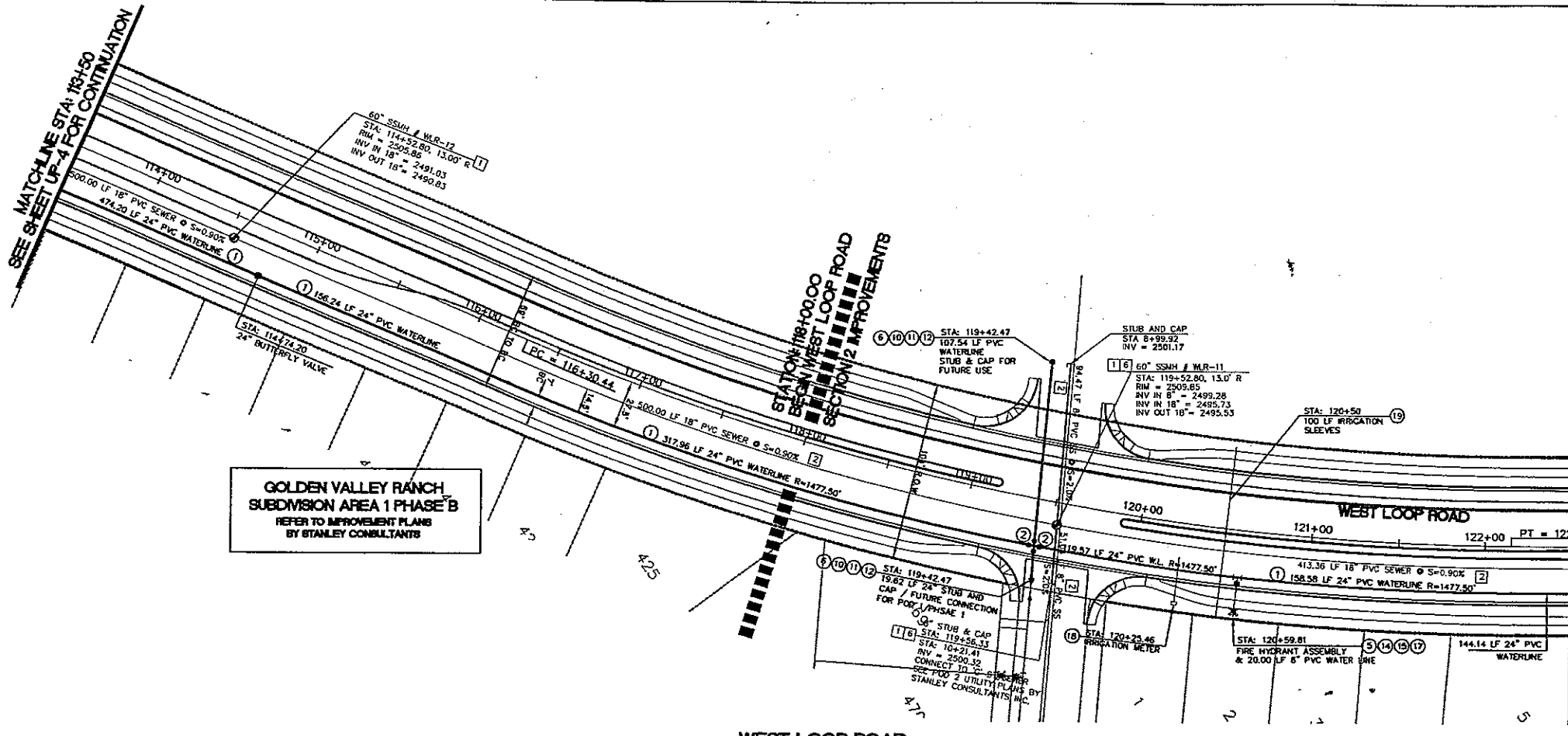
WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 104+50 - 113+50

MOHAVE COUNTY

SHEET
UP-4

12 OF 43 SHEETS

SCI PROJECT
18449.03.03

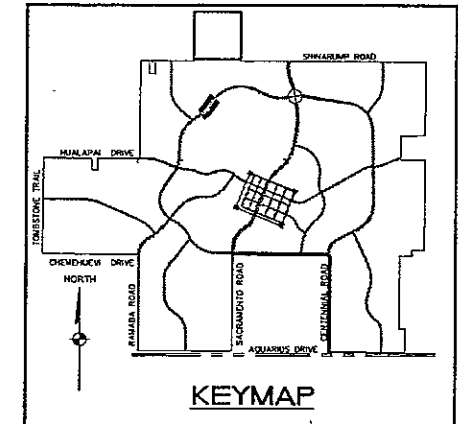
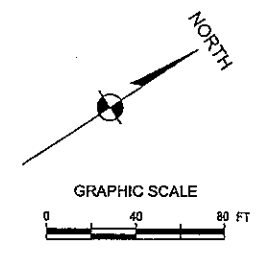


SEE SHEET UP-4 FOR CONTINUATION

SEE SHEET UP-6 FOR CONTINUATION

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNISOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.G.
STANDARDS



- LEGEND**
- | | |
|-----|---------------------------|
| 120 | LOT NUMBER |
| --- | RIGHT OF WAY |
| --- | SUBDIVISION/UNIT BOUNDARY |
| ○ | STREET LIGHT (100W HPS) |
| □ | NO. 3-1/2" PULL BOX |
| □ | SERVICE PEDESTAL |
| --- | P.U.E. |
| --- | PUBLIC UTILITY EASEMENT |
| --- | COMMON ELEMENT |
- WATER**
- | | |
|-----|---------------------------------|
| --- | WATER MAIN |
| --- | 3/4" WATER METER |
| --- | W/ 1" COPPER WATER LATERAL |
| --- | FIRE HYDRANT ASSEMBLY |
| --- | TEE W/ VALVE |
| --- | 2" BLOWOFF ASSEMBLY |
| --- | GATE VALVE OR BUTTERFLY VALVE |
| --- | 11 1/4", 22 1/2", 45", 90" BEND |
- SEWER**
- | | |
|-----|--|
| --- | SANITARY SEWER MANHOLE |
| --- | SANITARY SEWER MAIN |
| --- | 4" PVC SEWER LATERAL |
| --- | OFF-SITE SANITARY SEWER MANHOLE
SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE SANITARY SEWER MAIN
SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE 4" PVC SEWER LATERAL
SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | STUB AND CAP |
| --- | SEWER BACK WATER VALVE |
- STORM DRAIN**
- | | |
|-----|---------------------|
| --- | STORM DRAIN MANHOLE |
| --- | STORM DRAIN INLET |
| --- | STORM DRAIN PIPE |

SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

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2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" x 24" x 24" TEE
4. INSTALL 24" x 24" x 8" TEE
5. INSTALL 24" x 24" x 6" TEE
6. INSTALL 24" x 24" x 8" x 8" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 6" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
20. INSTALL 12" C900 PVC WATER LINE
21. INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
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8. INSTALL 54" RCP STORM DRAIN
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11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2' VERTICAL SEPARATION WITH C.M.I. 10 FEET HORIZONTALLY EACH WAY.

BASIS OF BEARINGS

NORTH 001°33'58" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NOS-DGPS.

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BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION = 2590.24273 FT (NAVD '83)

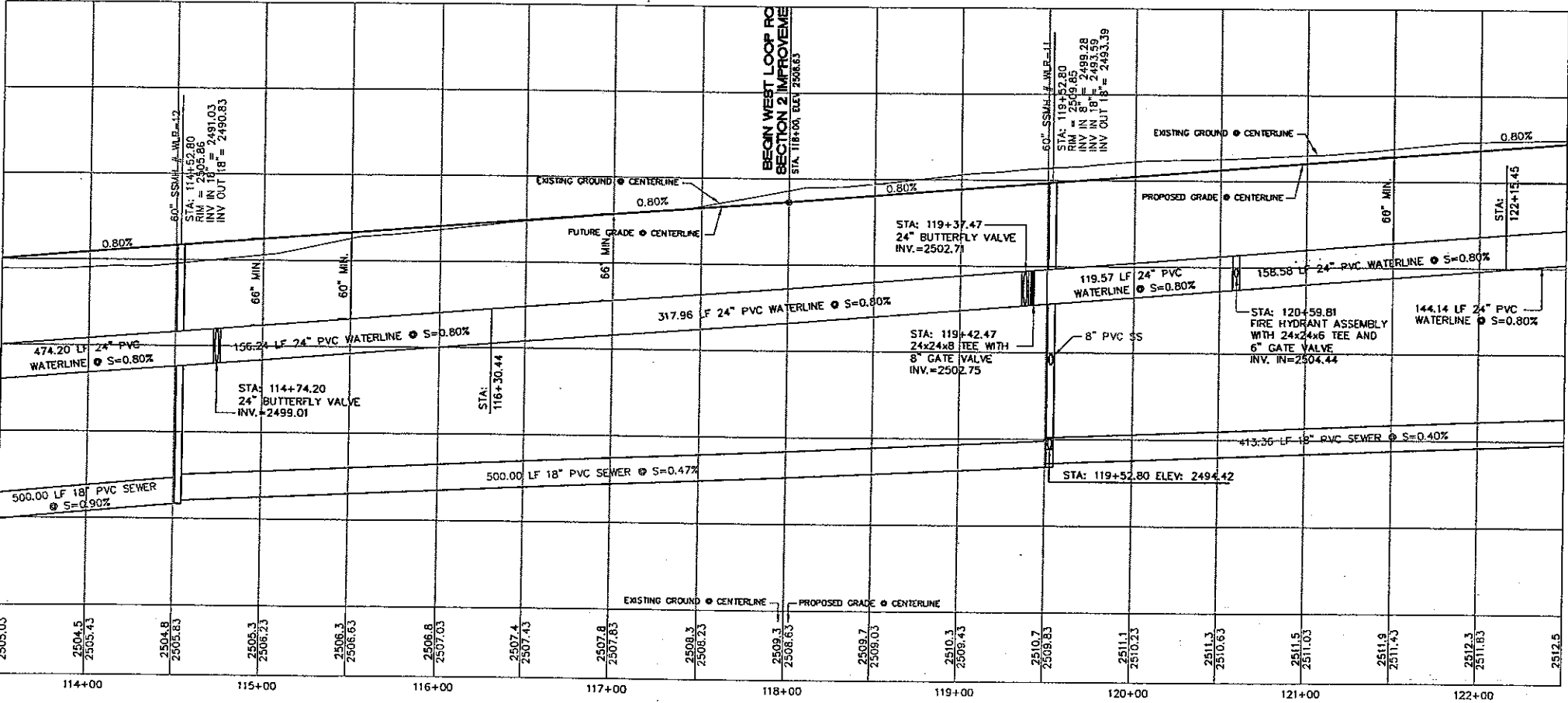
DESCRIPTION: ALUM CAP 2" DIA. SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 34, T. 21 N., R. 18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

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UNISOURCE



WEST LOOP ROAD
SCALE: HORIZ 1"=40'
VERT 1"=4'

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WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 113+50 - 122+50
MOHAVE COUNTY

SHEET
UP-5
13 OF 43 SHEETS

SCI PROJECT#
18449.03.03

DATE 8/30/05

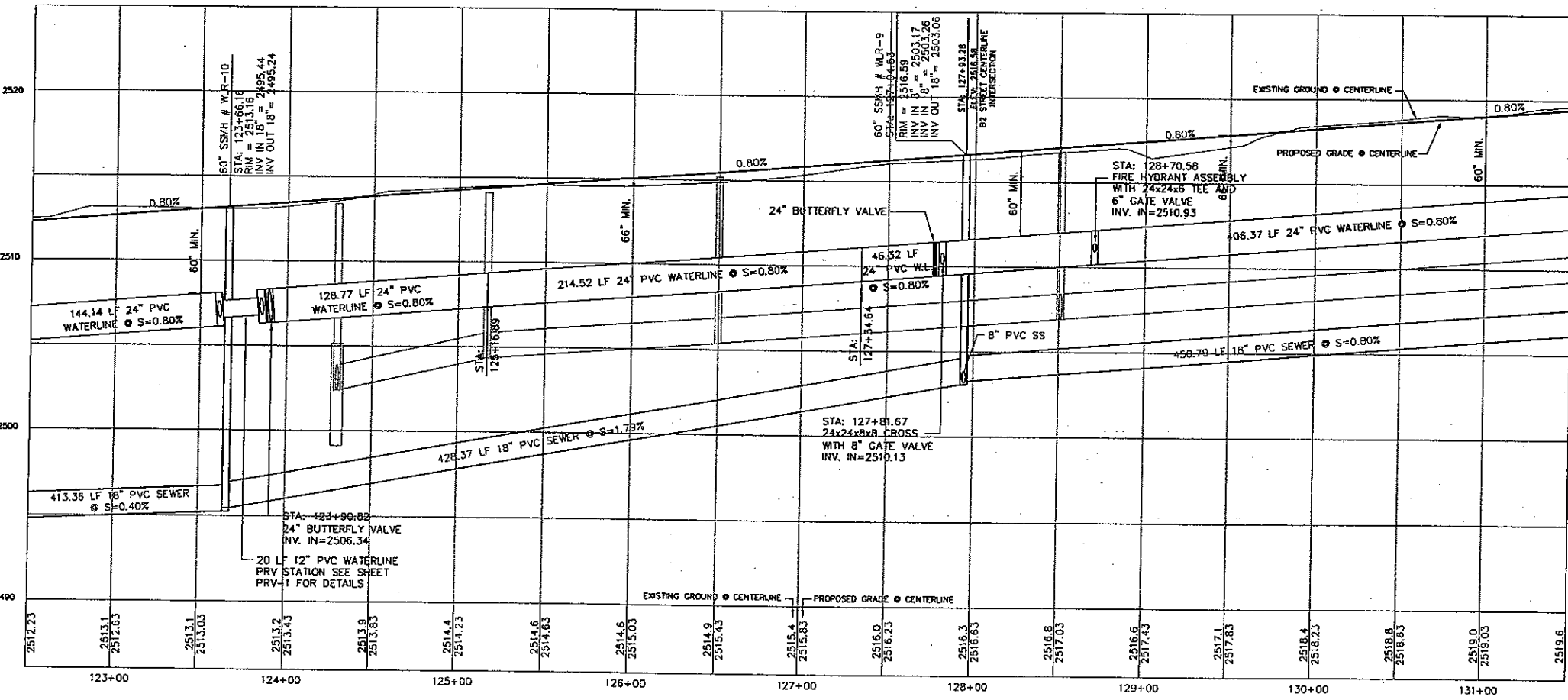
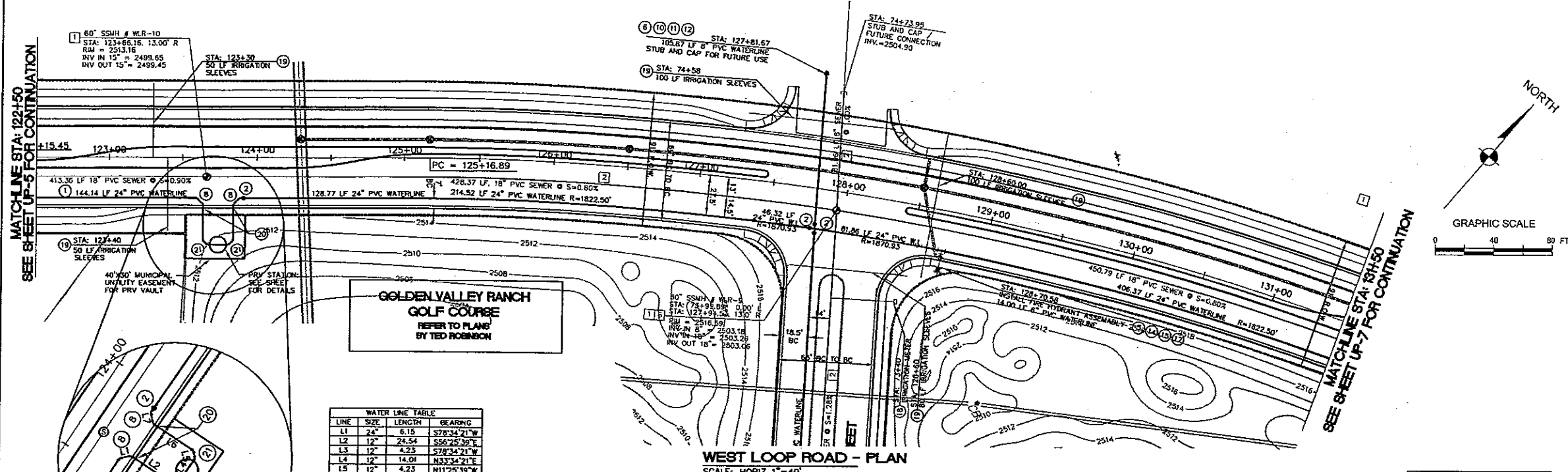
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DRAWN BY VND

SCALE (H) 1"=40'

SCALE (V) 1"=4'

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SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

1. INSTALL 24" C900 PVC WATER LINE
2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" X 24" X 24" TEE
4. INSTALL 24" X 24" X 8" TEE
5. INSTALL 24" X 24" X 6" TEE
6. INSTALL 24" X 24" X 8" X 6" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DET. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DET. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 6" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DET. NO. 390
17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DET. NO. 360
18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DET. NO. 344
19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
20. INSTALL 12" C900 PVC WATER LINE
21. INSTALL 12" 45° BEND

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
7. INSTALL 48" RCP STORM DRAIN
8. INSTALL 54" RCP STORM DRAIN
9. INSTALL MOD. TYPE "C" STORM DRAIN INLET SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2' VERTICAL SEPARATION WITH CL.M.J. 10 FEET HORIZONTALLY EACH WAY.

DISCLAIMER NOTE

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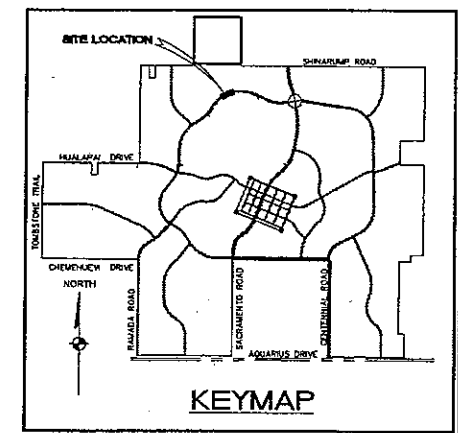
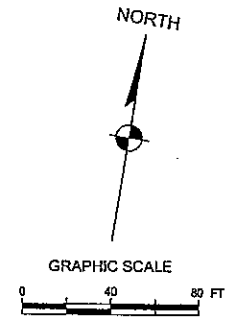
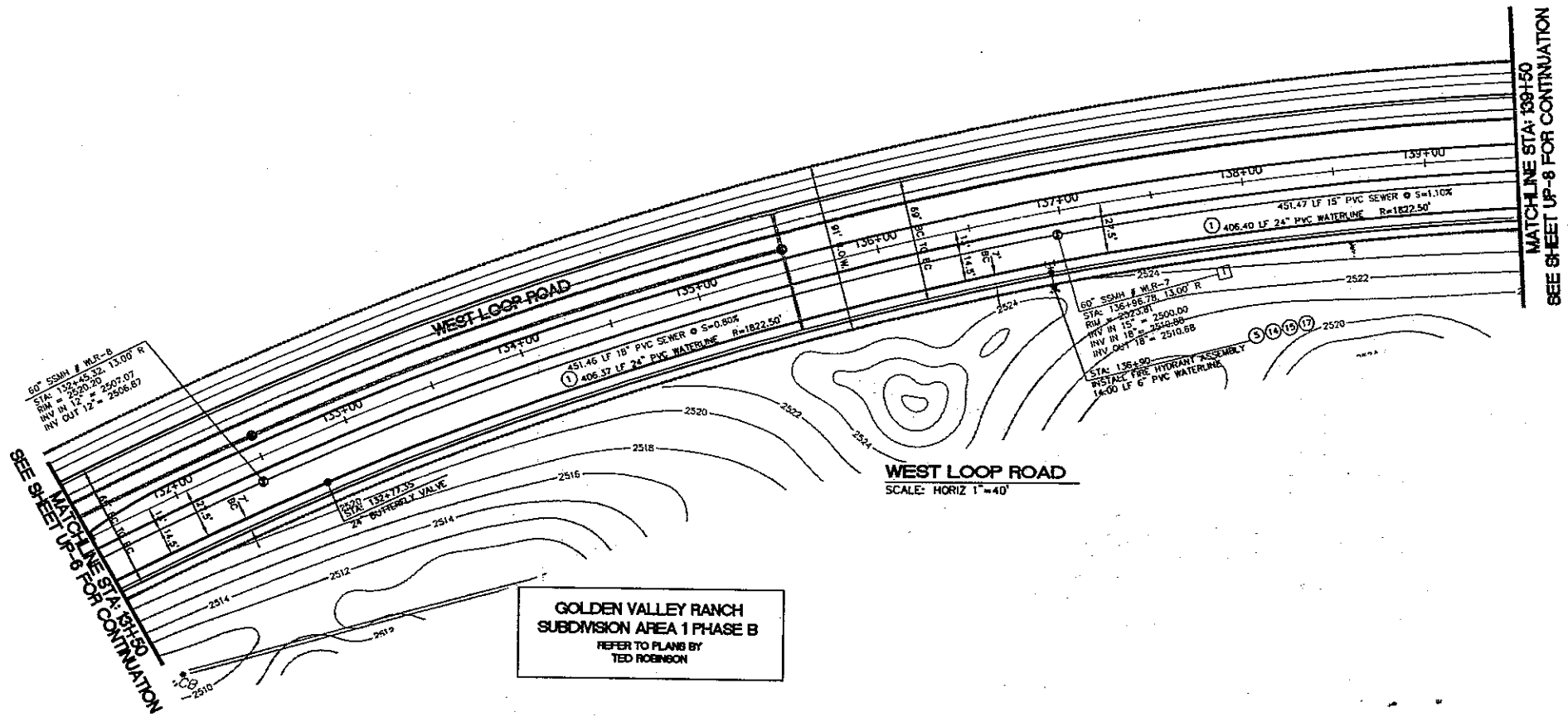
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UTILITY PLAN AND PROFILE STA. 122+50 - 131+50
MOHAVE COUNTY ARIZONA

SHEET
UP-6
14 OF 43 SHEETS

SCI PROJECT#
18449.03.03



- LEGEND**
- | | |
|-----|---------------------------|
| 120 | LOT NUMBER |
| — | RIGHT OF WAY |
| — | SUBDIVISION/UNIT BOUNDARY |
| — | STREET LIGHT (100W HPS) |
| — | NO. 3-1/2" PULL BOX |
| — | SERVICE PEDESTAL |
| — | P.U.E. |
| — | PUBLIC UTILITY EASEMENT |
| — | COMMON ELEMENT |
- WATER**
- | | |
|---|---------------------------------|
| — | WATER MAIN |
| — | 3/4" WATER METER |
| — | W/ 1" COPPER WATER LATERAL |
| — | FIRE HYDRANT ASSEMBLY |
| — | TEE W/ VALVE |
| — | 2" BLOWOFF ASSEMBLY |
| — | GATE VALVE OR BUTTERFLY VALVE |
| — | 11 1/4", 22 1/2", 45", 90" BEND |
- SEWER**
- | | |
|---|---|
| — | SANITARY SEWER MANHOLE |
| — | SANITARY SEWER MAIN |
| — | 4" PVC SEWER LATERAL |
| — | OFF-SITE SANITARY SEWER MANHOLE |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | OFF-SITE SANITARY SEWER MAIN |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | OFF-SITE 4" PVC SEWER LATERAL |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | STUB AND CAP |
| — | SEWER BACK WATER VALVE |
- STORM DRAIN**
- | | |
|---|---------------------|
| — | STORM DRAIN MANHOLE |
| — | STORM DRAIN SILET |
| — | STORM DRAIN PIPE |

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
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 9. INSTALL 24" 22.5° BEND
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 6. INSTALL 42" RCP STORM DRAIN
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STONE 1/4 COR 5/2 = LATITUDE 35°08'55.53365"N, LONGITUDE 114°10'30.72281"W (NAD '83), HEIGHT 2498.204581ft (NAVD '83)

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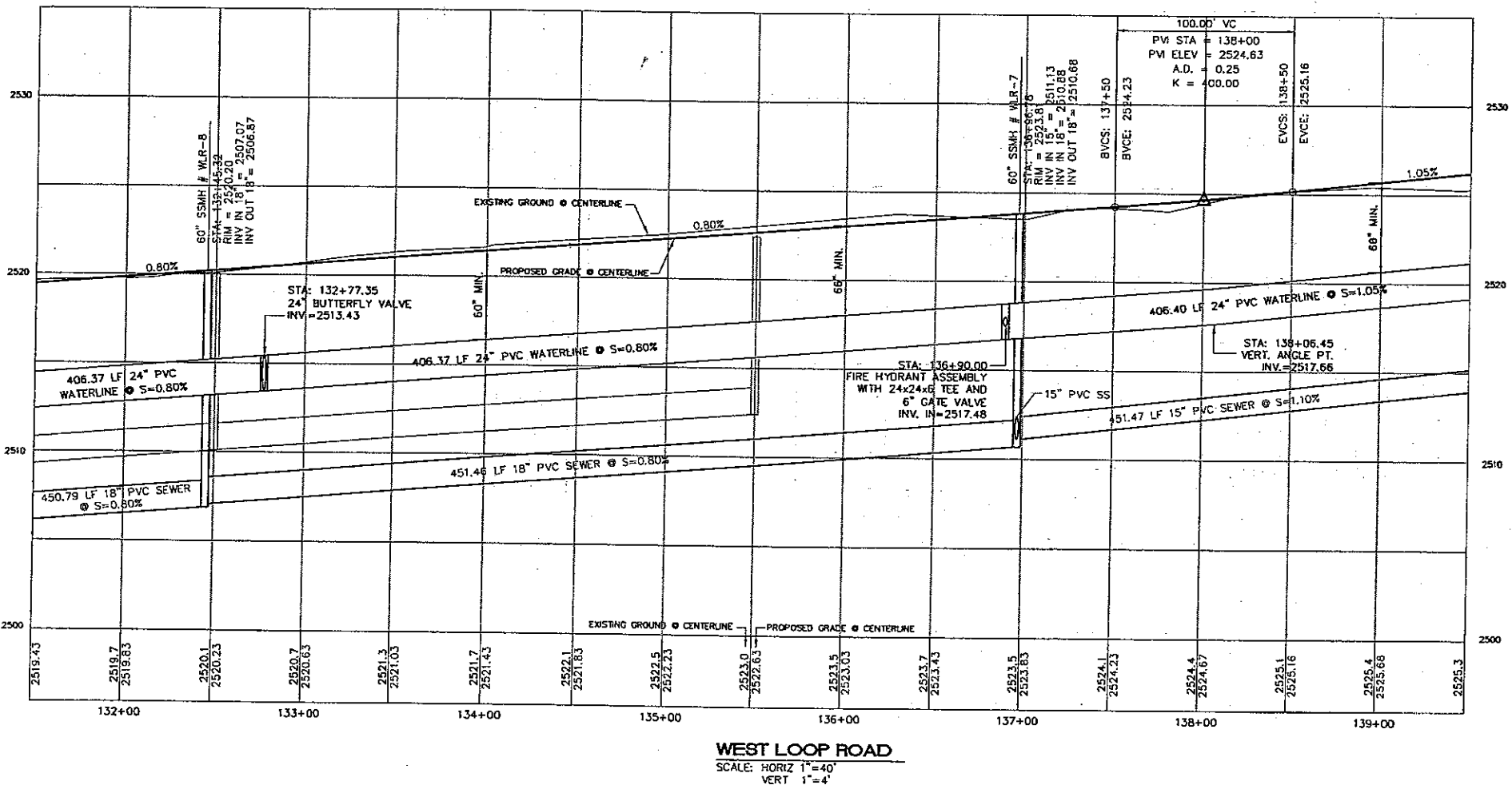
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PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION

DATE	8/30/05
CHECKED BY	MPB
DRAWN BY	VND
SCALE (H)	1"=40'
SCALE (V)	1"=4'

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(702) 369-8386 Fax (702) 369-9933
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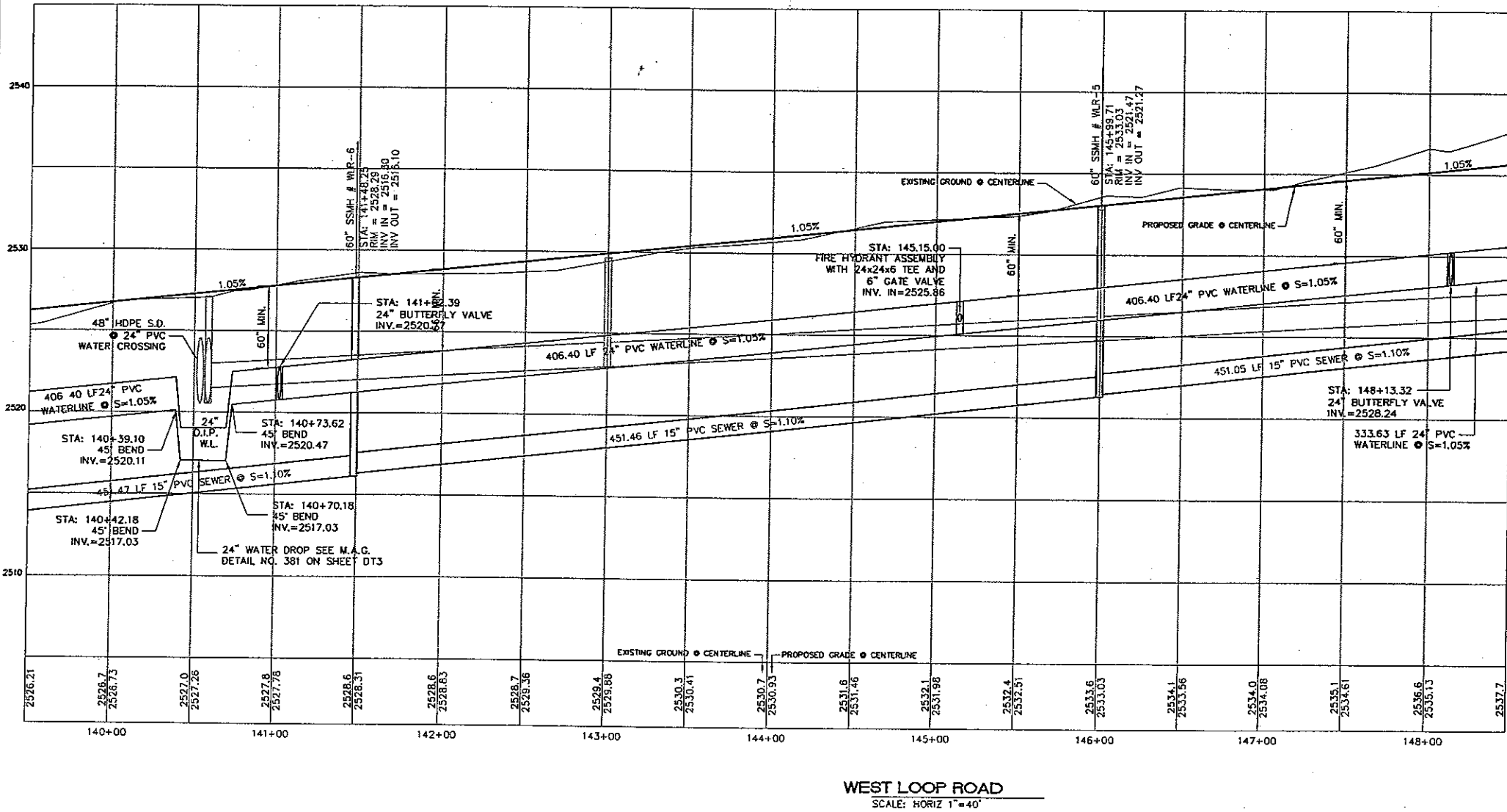
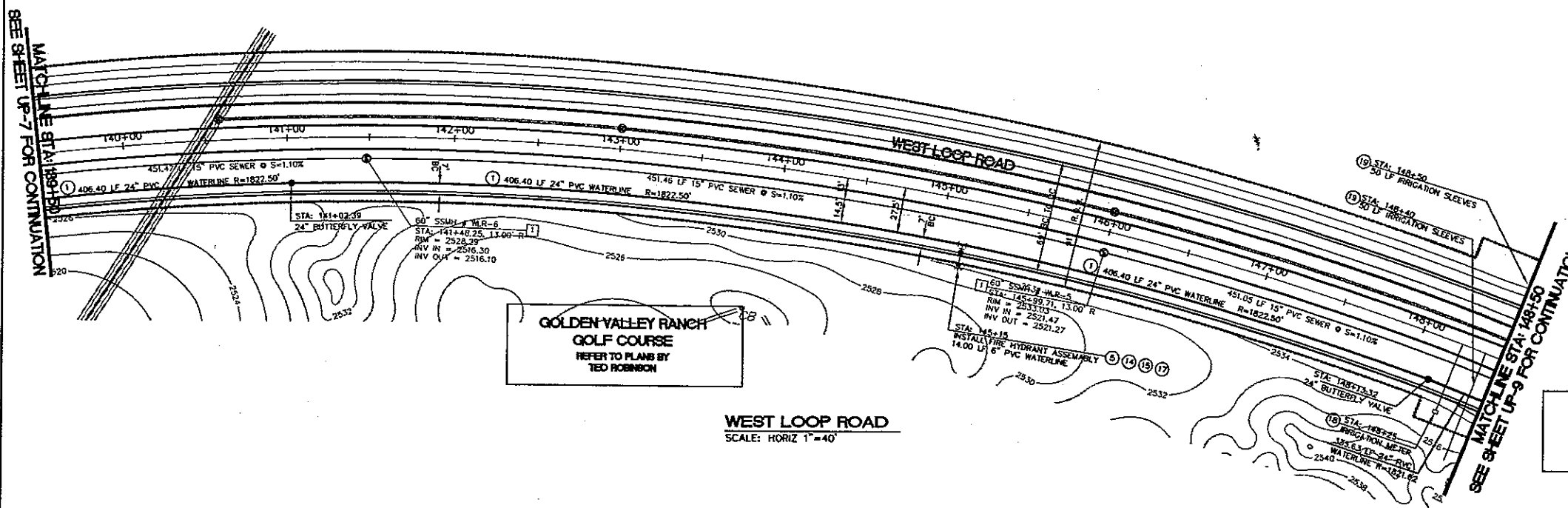
Stanley Consultants INC.
ARIZONA

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE STA. 131+50 - 139+50
MOHAVE COUNTY

SHEET
UP-7
15 OF 43 SHEETS

SCI PROJECT#
18449.03.03



GOLDEN VALLEY RANCH
GOLF COURSE
REFER TO PLANS BY
TED ROBINSON

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNISOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.G.
STANDARDS

SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

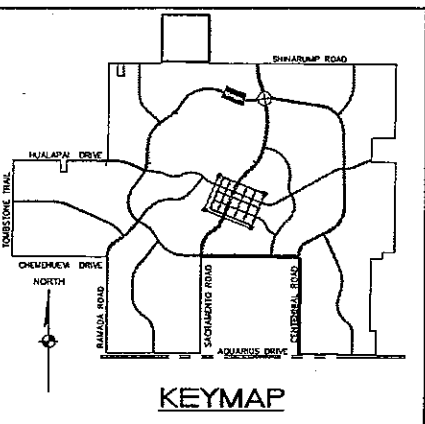
WATER CONSTRUCTION NOTES

1. INSTALL 24" C900 PVC WATER LINE
2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" X 24" X 24" TEE
4. INSTALL 24" X 24" X 8" TEE
5. INSTALL 24" X 24" X 6" TEE
6. INSTALL 24" X 24" X 8" X 8" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 6" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
17. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
18. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) IRRIGATION SLEEVE
19. INSTALL 12" C900 PVC WATER LINE
20. INSTALL 12" 45° BEND

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
7. INSTALL 48" RCP STORM DRAIN
8. INSTALL 54" RCP STORM DRAIN
9. INSTALL MOD. TYPE "C" STORM DRAIN INLET SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2" VERTICAL SEPARATION WITH C.I.M.I. 10 FEET HORIZONTALLY EACH WAY.

NOTE: ALL NOTES NOT USED ON ALL SHEETS.



LEGEND

- | | |
|--------|---------------------------|
| 120 | LOT NUMBER |
| --- | RIGHT OF WAY |
| --- | SUBDIVISION/UNIT BOUNDARY |
| ○ | STREET LIGHT (100W HPS) |
| □ | NO. 3-1/2" PULL BOX |
| ■ | SERVICE PEDESTAL |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| C.E. | COMMON ELEMENT |

WATER

- | | |
|-----|---------------------------------|
| --- | WATER MAIN |
| --- | 3/4" WATER METER |
| --- | W/ 1" COPPER WATER LATERAL |
| --- | FIRE HYDRANT ASSEMBLY |
| --- | TEE W/VALVE |
| --- | 2" BLOWOFF ASSEMBLY |
| --- | GATE VALVE OR BUTTERFLY VALVE |
| --- | 11 1/4", 22 1/2", 45", 90° BEND |

SEWER

- | | |
|-----|---|
| ○ | SANITARY SEWER MANHOLE |
| --- | SANITARY SEWER MAIN |
| --- | 4" PVC SEWER LATERAL |
| --- | OFF-SITE SANITARY SEWER MANHOLE SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE SANITARY SEWER MAIN SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | OFF-SITE 4" PVC SEWER LATERAL SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| --- | STUB AND CAP |
| --- | SEWER BACK WATER VALVE |

STORM DRAIN

- | | |
|-----|---------------------|
| --- | STORM DRAIN MANHOLE |
| --- | STORM DRAIN INLET |
| --- | STORM DRAIN PIPE |

BASIS OF BEARINGS

NORTH 00°13'30" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35°09'22.70034"N, LONGITUDE 114°09'21.57240"W (NAD '83) HEIGHT 2562.4639111 (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N, LONGITUDE 114°10'30.72281"W (NAD '83) HEIGHT 2498.2045811 (NAVD'88)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA. SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343"

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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Avoid overhead power line contact.
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PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 3.31.06

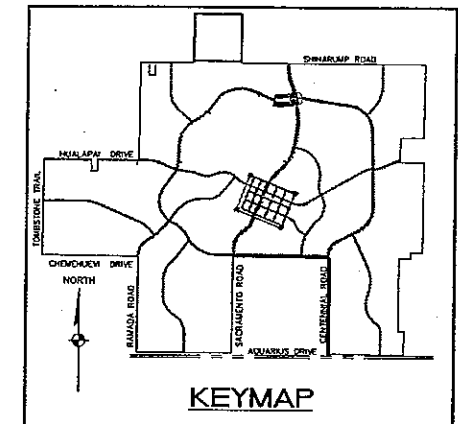
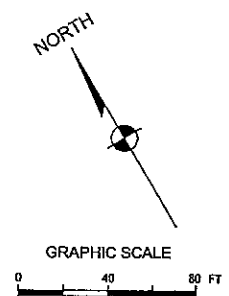
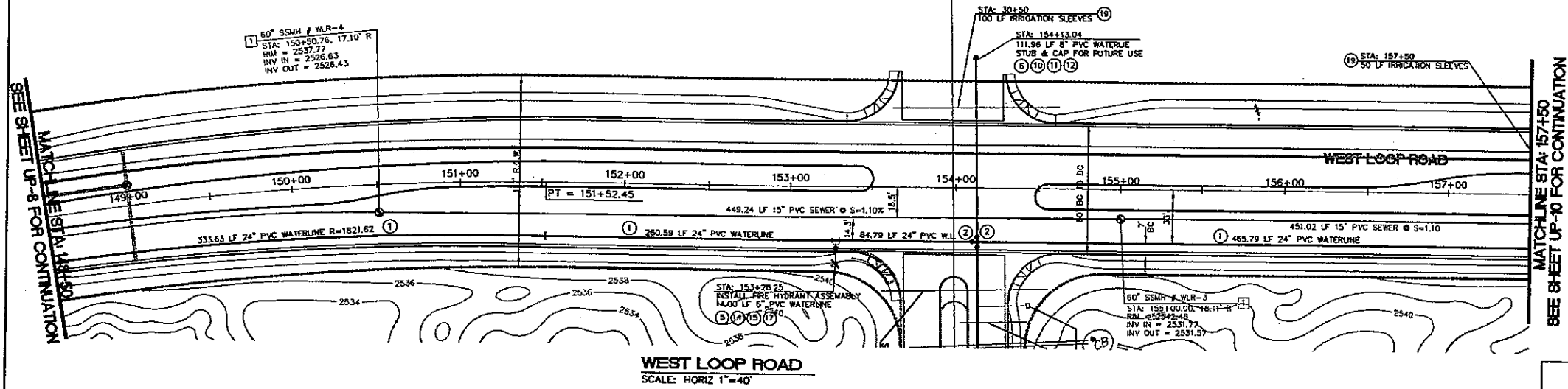


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WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE STA. 139+50 - 148+50
MOHAVE COUNTY
ARIZONA



- LEGEND**
- | | |
|-----|---------------------------|
| 120 | LOT NUMBER |
| — | RIGHT OF WAY |
| — | SUBDIVISION/UNIT BOUNDARY |
| — | STREET LIGHT (100W HPS) |
| — | NO. 3-1/2" PULL BOX |
| — | SERVICE PEDESTAL |
| — | P.U.E. |
| — | C.E. |
| — | COMMON ELEMENT |
- WATER**
- | | |
|---|---------------------------------|
| — | WATER MAIN |
| — | 3/4" WATER METER |
| — | W/ 1" COPPER WATER LATERAL |
| — | FIRE HYDRANT ASSEMBLY |
| — | TEE W/ VALVE |
| — | 2" BLOWOFF ASSEMBLY |
| — | GATE VALVE OR BUTTERFLY VALVE |
| — | 11 1/4", 22 1/2", 45", 90" BEND |
- SEWER**
- | | |
|---|---|
| — | SANITARY SEWER MANHOLE |
| — | SANITARY SEWER MAIN |
| — | 4" PVC SEWER LATERAL |
| — | OFF-SITE SANITARY SEWER MANHOLE |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | OFF-SITE SANITARY SEWER MAIN |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | OFF-SITE 4" PVC SEWER LATERAL |
| — | SEE PHASE A IMPROVEMENT PLANS BY S.C.I. |
| — | STUB AND CAP |
| — | SEWER BACK WATER VALVE |
- STORM DRAIN**
- | | |
|---|---------------------|
| — | STORM DRAIN MANHOLE |
| — | STORM DRAIN INLET |
| — | STORM DRAIN PIPE |

GOLDEN VALLEY RANCH GOLF COURSE
REFER TO PLANS BY
TED ROBINSON

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNIBOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.G.
STANDARDS

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 2. INSTALL 8" PVC SEWER MAIN
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 4. INSTALL 8" PVC SEWER STUB & CAP

- WATER CONSTRUCTION NOTES**
1. INSTALL 24" C900 PVC WATER LINE
 2. INSTALL 24" BUTTERFLY VALVE
 3. INSTALL 24" X 24" X 24" TEE
 4. INSTALL 24" X 24" X 8" TEE
 5. INSTALL 24" X 24" X 6" TEE
 6. INSTALL 24" X 24" X 8" CROSS
 7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 8. INSTALL 24" 45° BEND
 9. INSTALL 8" C900 PVC WATER LINE
 10. INSTALL 8" GATE VALVE
 11. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 12. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF HONOLULU STD. DTL. NO. 344
 13. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
 14. INSTALL 12" C900 PVC WATER LINE
 15. INSTALL 12" 45° BEND

- STORM DRAIN CONSTRUCTION NOTES**
1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
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 5. INSTALL 30" RCP STORM DRAIN
 6. INSTALL 42" RCP STORM DRAIN
 7. INSTALL 48" RCP STORM DRAIN
 8. INSTALL 54" RCP STORM DRAIN
 9. INSTALL MID. TYPE 1/2" STORM DRAIN INLET SEE DETAIL ON SHEET D17 AND D17 FOR PROFILE
 10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
 11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2' VERTICAL SEPARATION WITH C.I.M. 2 TO FEET HORIZONTALLY EACH WAY.

BASIS OF BEARINGS

NORTH 001°38' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (INT). UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS

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BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION= 2590.24273 FT (NAVD '88)

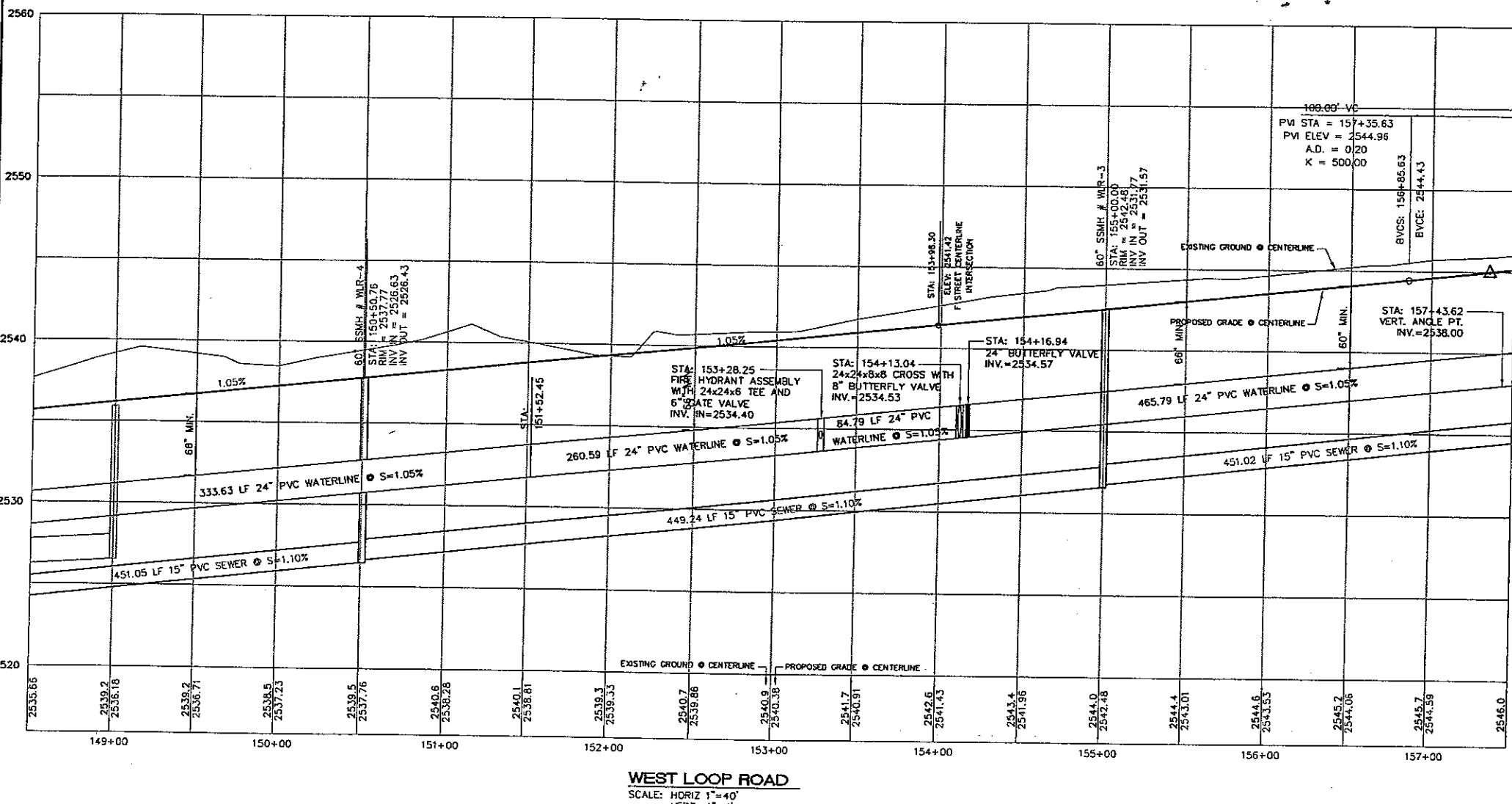
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(1-928-753-5551)



Professional Engineer
43321
KIMBERLY T. JAMNICK
ARIZONA

SCALE (H) 1"=40'
SCALE (V) 1"=4'
DRAWN BY ENG
CHECKED BY MPB
DATE 8/30/05

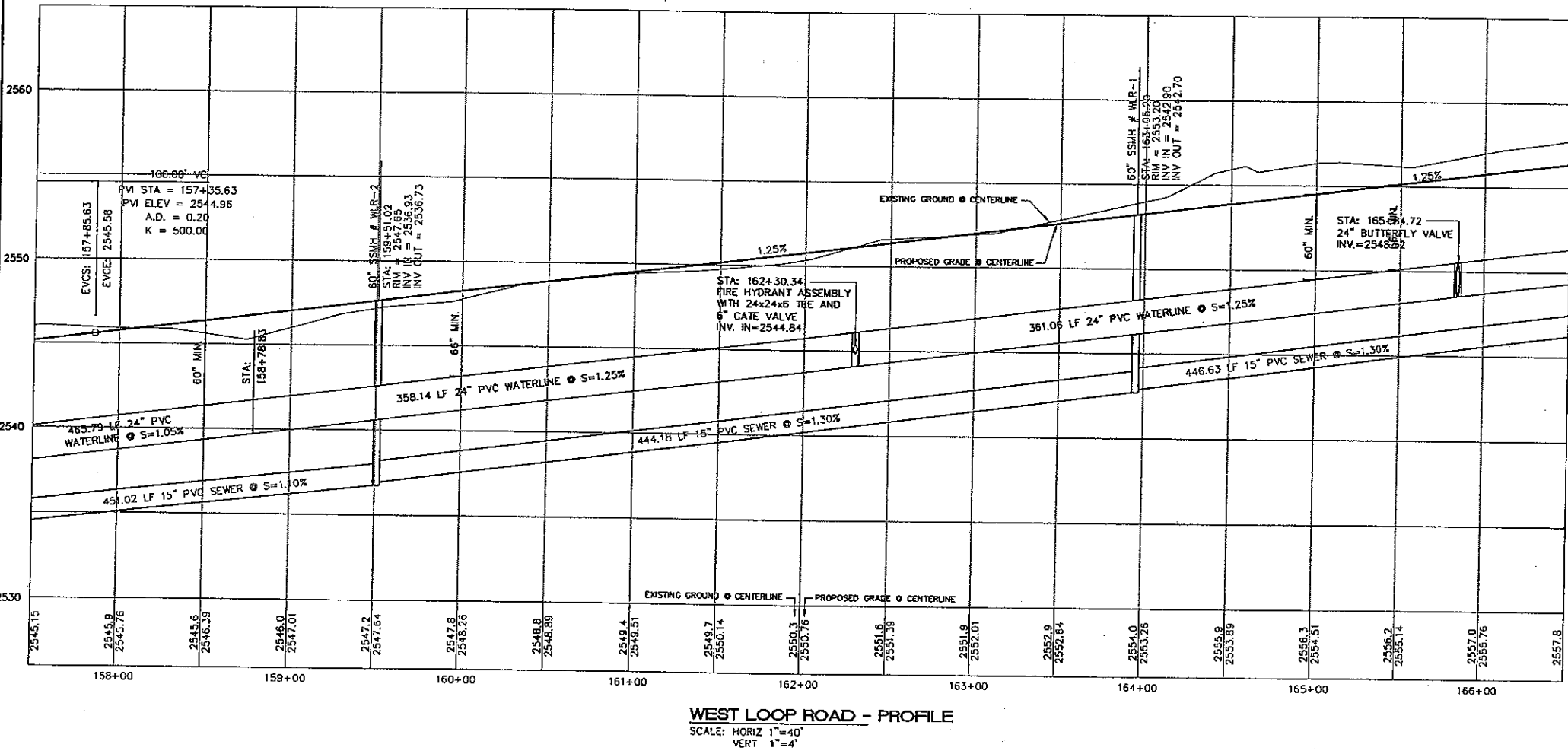
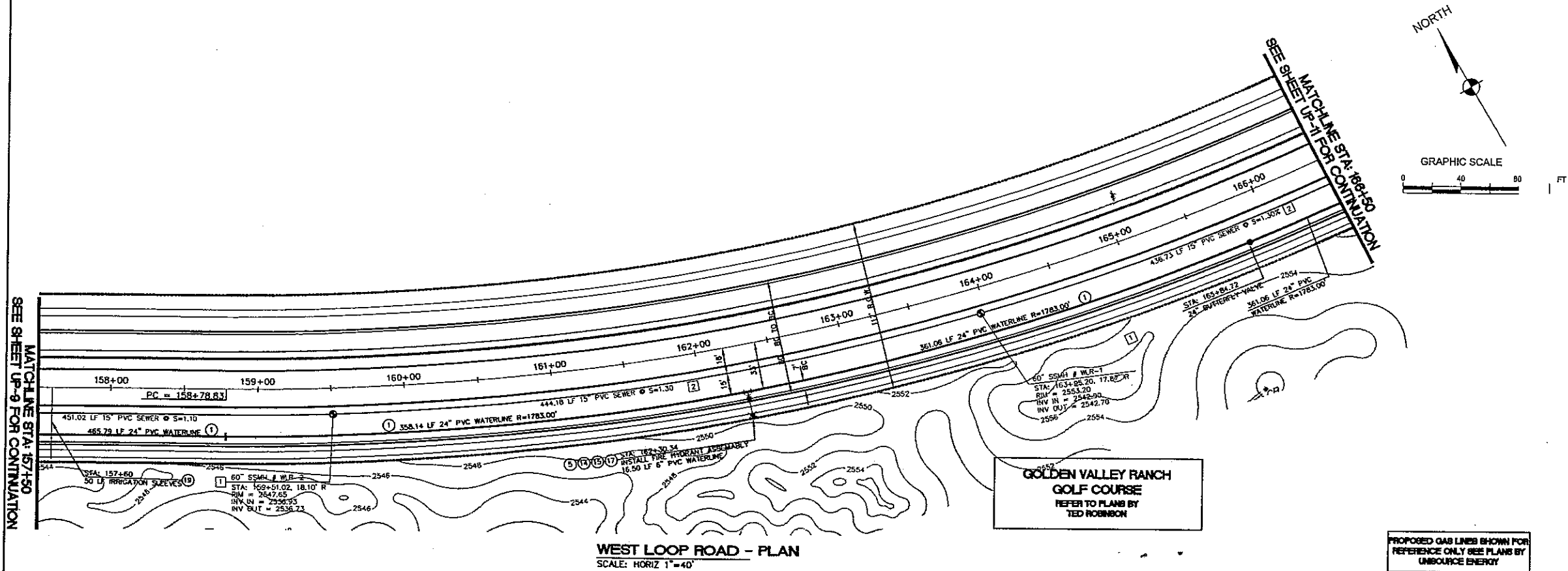
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MOHAVE COUNTY ARIZONA

SHEET
UP-9
17 OF 43 SHEETS
SCI PROJECT#
18449.03.03

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 2. 31. 06



PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNISOURCE ENERGY

WATER LINE JOINTS TO BE
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STANDARDS

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 4. INSTALL 6" PVC SEWER STUB & CAP
- WATER CONSTRUCTION NOTES**
1. INSTALL 24" C900 PVC WATER LINE
 2. INSTALL 24" BUTTERFLY VALVE
 3. INSTALL 24" X 24" X 24" TEE
 4. INSTALL 24" X 24" X 8" TEE
 5. INSTALL 24" X 24" X 6" TEE
 6. INSTALL 24" X 24" X 8" X 8" CROSS
 7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 8. INSTALL 24" 45° BEND
 9. INSTALL 24" 22.5° BEND
 10. INSTALL 8" C900 PVC WATER LINE
 11. INSTALL 8" GATE VALVE
 12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 13. INSTALL 8" 22.5° BEND
 14. INSTALL 8" C900 PVC WATER LINE
 15. INSTALL 6" GATE VALVE
 16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
 17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
 18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
 19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
 20. INSTALL 12" C900 PVC WATER LINE
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 7. INSTALL 48" RCP STORM DRAIN
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LEGEND

120 LOT NUMBER

RIGHT OF WAY

SUBDIVISION/UNIT BOUNDARY

STREET LIGHT (100W HPS)

NO. 3-1/2" PULL BOX

SERVICE PEDESTAL

PUBLIC UTILITY EASEMENT

COMMON ELEMENT

WATER

WATER MAIN

3/4" WATER METER

W/ 1" COPPER WATER LATERAL

FIRE HYDRANT ASSEMBLY

TEE W/ VALVE

2" BLOWOFF ASSEMBLY

GATE VALVE OR BUTTERFLY VALVE

11 1/4", 22 1/2", 45°, 90° BEND

SEWER

SANITARY SEWER MANHOLE

SANITARY SEWER MAIN

4" PVC SEWER LATERAL

OFF-SITE SANITARY SEWER MANHOLE SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

OFF-SITE SANITARY SEWER MAIN SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

OFF-SITE 4" PVC SEWER LATERAL SEE PHASE A IMPROVEMENT PLANS BY S.C.I.

STUB AND CAP

SEWER BACK WATER VALVE

STORM DRAIN

STORM DRAIN MANHOLE

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Professional Engineer
43321
KIMM T
YAMDA
ARIZONA

SCALE (H) 1"=40'
SCALE (V) 1"=4'
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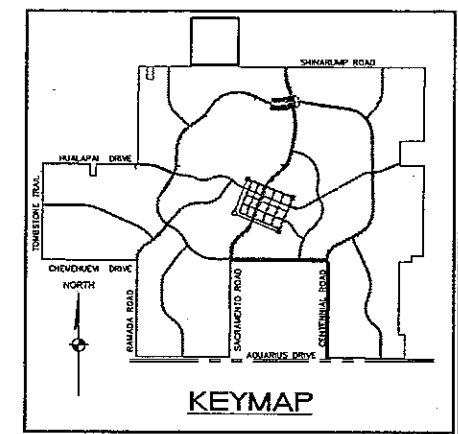
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UTILITY PLAN AND PROFILE STA. 157+50 - 166+50
MOHAVE COUNTY
ARIZONA

SHEET
UP-10
17 OF 43 SHEETS
SCI PROJECT
18449.03.03

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION



- 1 INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
- 2 INSTALL 8" PVC SEWER MAIN
- 3 INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
- 4 INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES






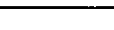

















- ① INSTALL 24" CS900 PVC WATER LINE
- ② INSTALL 24" BUTTERFLY VALVE
- ③ INSTALL 24" X 24" X 24" TEE
- ④ INSTALL 24" X 24" X 8" TEE
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- ⑦ INSTALL 24" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
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- ⑫ INSTALL 8" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- ⑬ INSTALL 8" 22.5° BEND
- ⑭ INSTALL 6" CS900 PVC WATER LINE
- ⑮ INSTALL 6" GATE VALVE
- ⑯ INSTALL 6" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- ⑰ INSTALL FIRE HYDRANT ASSEMBLY PER M.A.C. STD. DTL. NO. 360
- ⑱ INSTALL 2" COPPER WATER METER W/ BASKET FOR FUTURE 2" WATER METER PER CITY OF KIDWADAH DTL. NO. 344
- ⑲ INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
- ⑳ INSTALL 12" CS900 PVC WATER LINE
- ㉑ INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

- ① INSTALL 48" DIAMETER 50 MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
- ② INSTALL 18" RCP STORM DRAIN
- ③ INSTALL 24" RCP STORM DRAIN
- ④ INSTALL 27" RCP STORM DRAIN
- ⑤ INSTALL 30" RCP STORM DRAIN
- ⑥ INSTALL 42" RCP STORM DRAIN
- ⑦ INSTALL 48" RCP STORM DRAIN
- ⑧ INSTALL 54" RCP STORM DRAIN
- ⑨ INSTALL MOD. TYPE "C" STORM DRAIN INLET
DETAIL ON SHEET D17 D17 D17 FOR PROFILE
- ⑩ CONSTRUCT SLOPE AND SOWER CROSSING SOWER PER
DETAIL ON SHEET D14
- ⑪ CONSTRUCT WATER AND SOWER CROSSING PER
M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM
2' VERTICAL SEPARATION WITH C.I.P.M. 10 FEET
HORIZONTALLY EACH WAY.

LEGEND

120	LOT NUMBER
	RIGHT OF WAY
	SUBDIVISION/UNIT BOUNDARY
	STREET LIGHT (100W BPS)
	NO. 3-1/2" PULL BOX
	SERVICE PEDESTAL
P.U.E.	PUBLIC UTILITY ELEMENT
C.E.	COMMON ELEMENT
WATER	
	WATER MAIN
	3/4" WATER METER
	W/1" COPPER WATER LATERAL
	FIRE HYDRANT ASSEMBLY
	TEE W/VALVE
	2" BLOWOFF ASSEMBLY
	GATE VALVE OR BUTTERFLY VALVE
	11 1/4", 22 1/2", 45", 90" BEND
SEWER	
	SANITARY SEWER MANHOLE
	SANITARY SEWER MAIN
	4" PVC SEWER LATERAL
	OFF-SITE SANITARY SEWER MANHOLE
	OFF-SITE SANITARY SEWER MAIN
	OFF-SITE 4" PVC SEWER LATERAL
	STUB AND CAP
	SEWER BACK WATER VALVE
STORM DRAIN	
	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	STORM DRAIN PIPE

BASIS OF BEARINGS

NORTH 00°13'38" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" =	LATITUDE 35°09'22.700347N LONGITUDE 114°09'21.57240°W (NAD '83) HEIGHT 2362.463911ft (NAVD'88)
STONE 1/4 COR 3/2 =	LATITUDE 35°08'55.533857N LONGITUDE 114°10'30.72281°W (NAD '83) HEIGHT 2498.204581ft (NAVD'88)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 FT (NAD83 '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W., AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

DISCLAIMER NOTE

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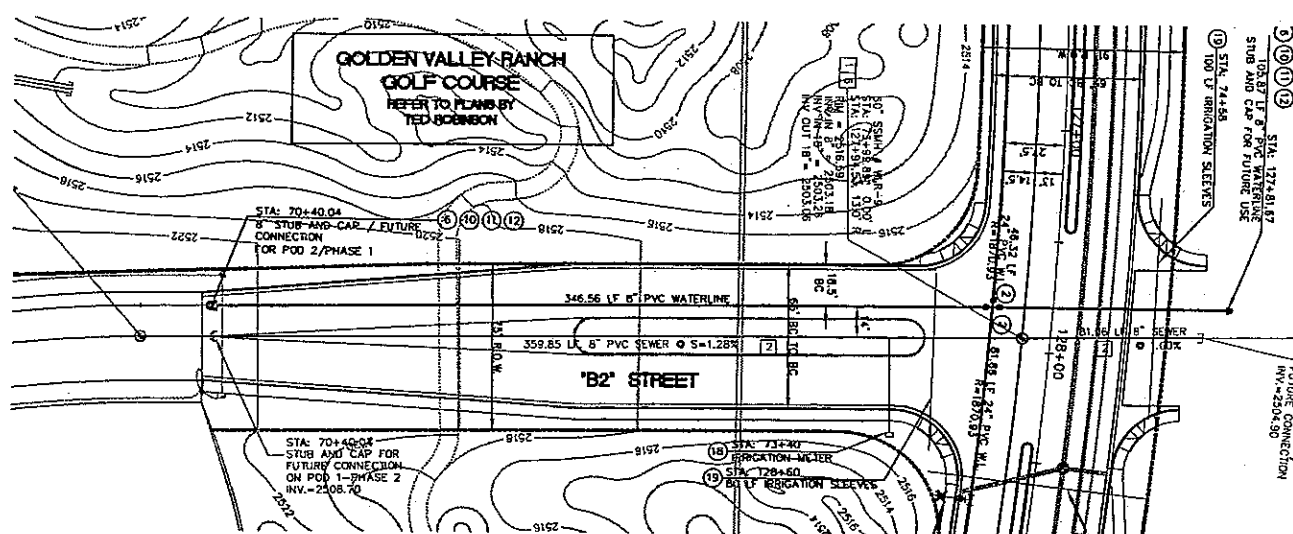


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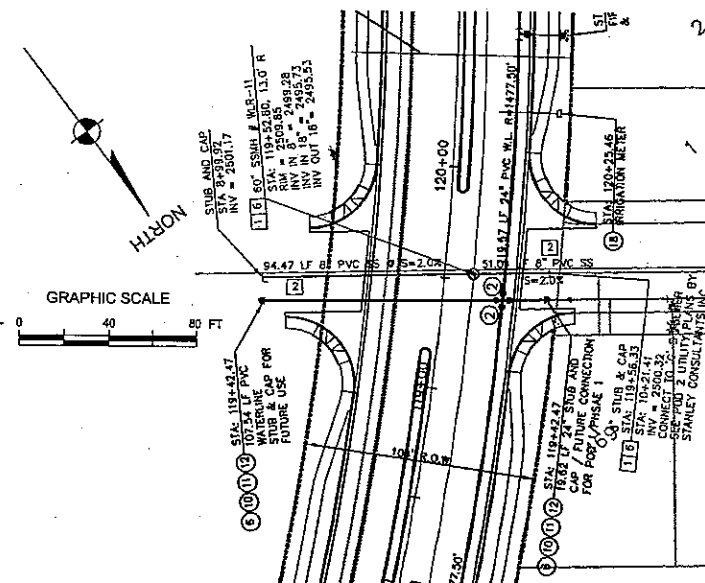
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GOLDEN VALLEY RANCH
WEST LOOP ROAD SECTION 2 IMPROVEMENTS
UTILITY PLAN AND PROFILE STA. 186+50 - 175+50
MOHAVE COUNTY ARIZONA

SHEET
UP-11

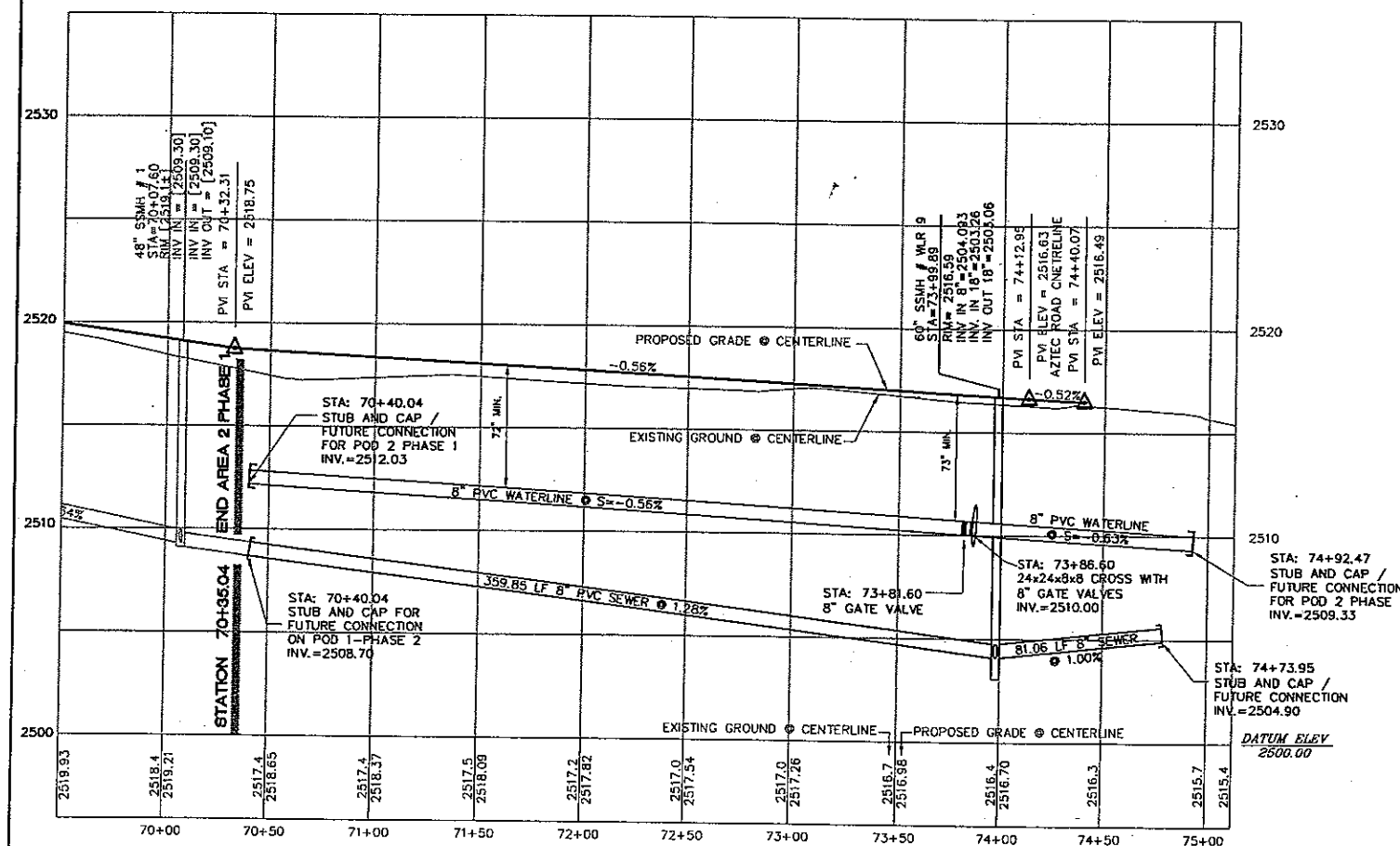
SCI PROJECT
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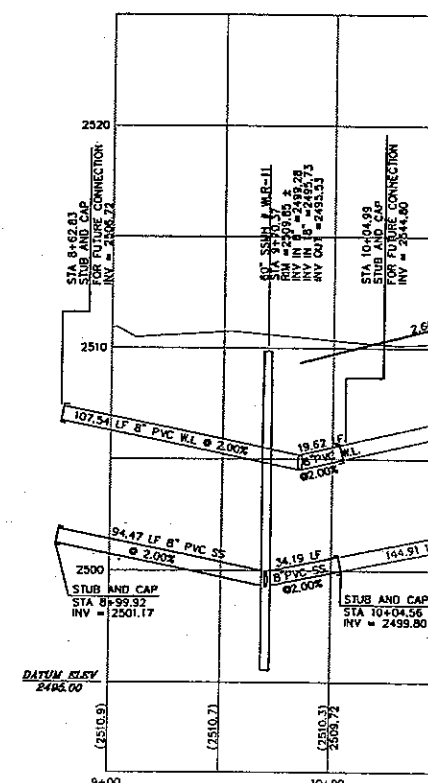
B2 STREET - PLAN
SCALE: HORIZ 1"=40'



Q STREET - PLAN
SCALE: HORIZ 1"=40'



B2 STREET - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'



Q STREET - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'

PROPOSED GAS LINES SHOWN FOR
REFERENCE ONLY SEE PLANS BY
UNSOURCE ENERGY

WATER LINE JOINTS TO BE
RESTRAINED PER M.A.C.
STANDARDS

SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.C. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.C. STANDARD DETAIL NOS. 440-1 AND 440-4
4. INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

1. INSTALL 24" C900 PVC WATER LINE
2. INSTALL 24" BUTTERFLY VALVE
3. INSTALL 24" X 24" X 24" TEE
4. INSTALL 24" X 24" X 6" TEE
5. INSTALL 24" X 24" X 6" TEE
6. INSTALL 24" X 24" X 8" X 8" CROSS
7. INSTALL 24" CAP WITH BLOW-OFF PER M.A.C. STD. DET. NO. 390
8. INSTALL 24" 45° BEND
9. INSTALL 24" 22.5° BEND
10. INSTALL 8" C900 PVC WATER LINE
11. INSTALL 8" GATE VALVE
12. INSTALL 8" CAP WITH BLOW-OFF PER M.A.C. STD. DET. NO. 390
13. INSTALL 8" 22.5° BEND
14. INSTALL 6" C900 PVC WATER LINE
15. INSTALL 6" GATE VALVE
16. INSTALL 6" CAP WITH BLOW-OFF PER M.A.C. STD. DET. NO. 390
17. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.C. STD. DET. NO. 390
18. INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KIMMAN STD. DET. NO. 344
19. INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
20. INSTALL 12" C900 PVC WATER LINE
21. INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

STORM DRAIN CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER SD MANHOLE PER M.A.C. STANDARD DETAIL NO. 520 & 522
2. INSTALL 18" RCP STORM DRAIN
3. INSTALL 24" RCP STORM DRAIN
4. INSTALL 27" RCP STORM DRAIN
5. INSTALL 30" RCP STORM DRAIN
6. INSTALL 42" RCP STORM DRAIN
7. INSTALL 48" RCP STORM DRAIN
8. INSTALL 54" RCP STORM DRAIN
9. INSTALL MOD. TYPE 10" STORM DRAIN INLET SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
10. CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
11. CONSTRUCT WATER AND SEWER CROSSING PER M.A.C. STANDARD DETAIL NO. 381 WITH MINIMUM 2" VERTICAL SEPARATION WITH C.I.M.A. 10 FEET HORIZONTALLY EACH WAY.

LEGEND

- 120 LOT NUMBER
- RIGHT OF WAY
- SUBDIVISION/JUNT BOUNDARY
- STREET LIGHT (100W HPS)
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- P.U.E. PUBLIC UTILITY EASEMENT
- C.E. COMMON ELEMENT

WATER

- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45°, 90° BEND

SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- OFF-SITE SANITARY SEWER MANHOLE SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE SANITARY SEWER MAIN SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- OFF-SITE 4" PVC SEWER LATERAL SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
- STUB AND CAP
- SEWER BACK WATER VALVE

STORM DRAIN

- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STORM DRAIN PIPE

BASIS OF BEARINGS

NORTH 001°38' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NOS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35°09'22.70034"N, LONGITUDE 114°09'21.57240"W (NAD '83) HEIGHT 2562.4539111 (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35°08'55.53385"N, LONGITUDE 114°10'20.72281"W (NAD '83) HEIGHT 2498.2045011 (NAVD'88)

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D. ELEVATION= 2590.24273 FT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R. 18 W. AND THE INTERSECTION OF SHARJUMP DR. AND HOPE RD., STAMPED "SD 34 1899 RLS 10343"

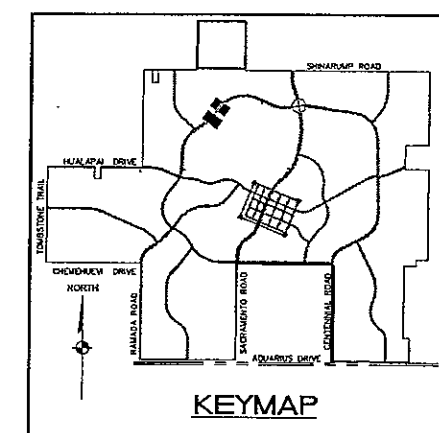
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DATE	BY
8/30/05	MPB
8/30/05	ENG
8/30/05	CHK
8/30/05	APP

SCALE (H) 1"=40'
SCALE (V) 1"=4'
DRAWN BY ENG
CHECKED BY MPB
DATE 8/30/05

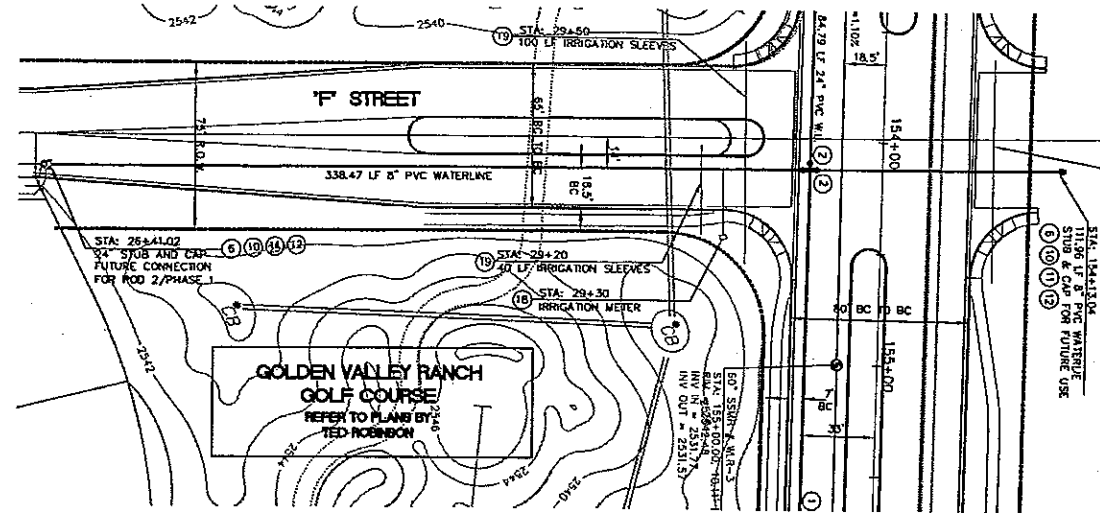
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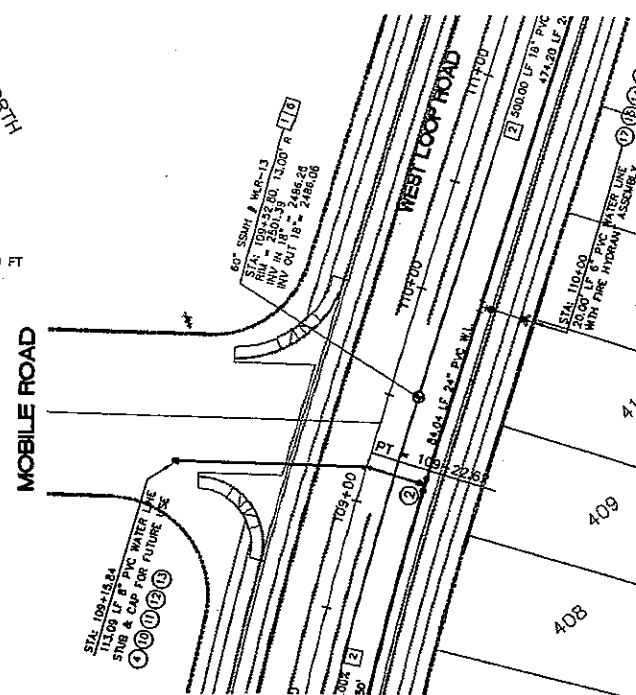
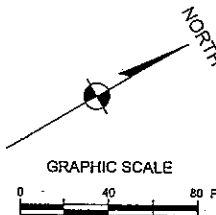
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UTILITY PLAN AND PROFILE
MOHAVE COUNTY
ARIZONA

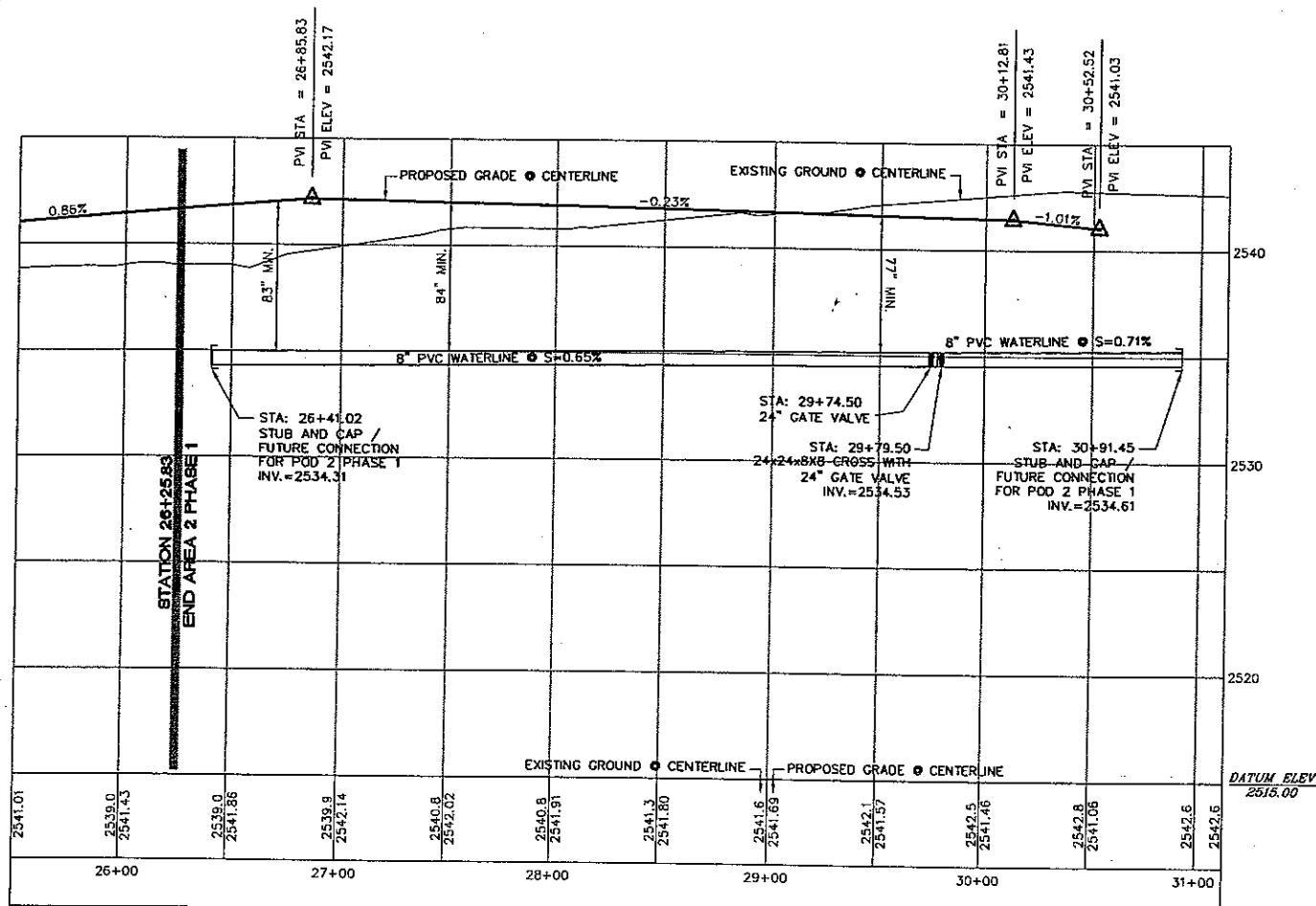
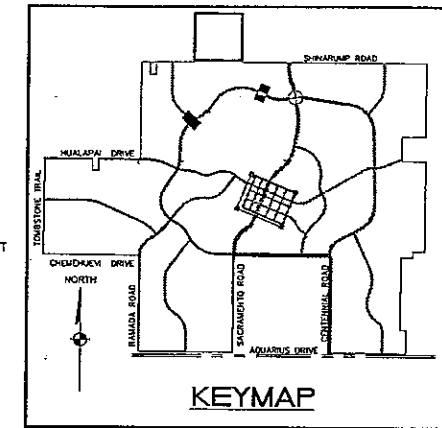
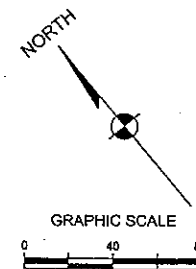
SHEET
UP-12
18 OF 43 SHEETS
SQ PROJECT
18449.03.03



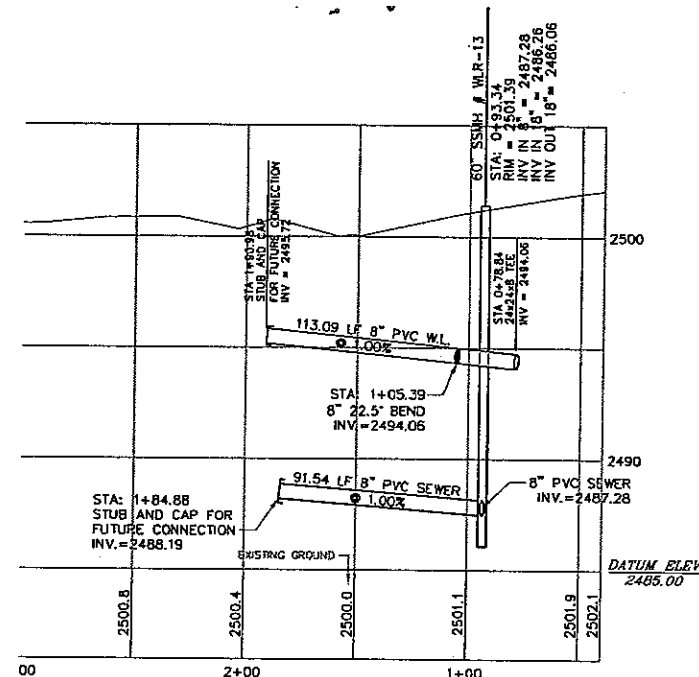
F STREET - PLAN
SCALE: HORIZ 1"=40'



MOBILE ROAD - PLAN
SCALE: HORIZ 1"=40'



F STREET - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'



MOBILE ROAD - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'

LEGEND

120	LOT NUMBER
---	RIGHT OF WAY
---	SUBDIVISION/UNIT BOUNDARY
○	STREET LIGHT (100W HPS)
□	NO. 3-1/2" PULL BOX
□	SERVICE PEDESTAL
P.U.E.	PUBLIC UTILITY EASEMENT
C.E.	COMMON ELEVATION

WATER

---	WATER MAIN
---	3/4" WATER METER
---	W/ 1" COPPER WATER LATERAL
---	FIRE HYDRANT ASSEMBLY
---	TEE W/VALVE
---	2" BLOWOFF ASSEMBLY
---	GATE VALVE OR BUTTERFLY VALVE
---	11 1/4", 22 1/2", 45", 90" BEND

SEWER

---	SANITARY SEWER MANHOLE
---	SANITARY SEWER MAIN
---	4" PVC SEWER LATERAL
---	OFF-SITE SANITARY SEWER MANHOLE SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
---	OFF-SITE SANITARY SEWER MAIN SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
---	OFF-SITE 4" PVC SEWER LATERAL SEE PHASE A IMPROVEMENT PLANS BY S.C.I.
---	STUB AND CAP
---	SEWER BACK WATER VALVE

STORM DRAIN

---	STORM DRAIN MANHOLE
---	STORM DRAIN INLET
---	STORM DRAIN PIPE

STORM DRAIN CONSTRUCTION NOTES

- INSTALL 48" DIAMETER SD MANHOLE PER M.A.G. STANDARD DETAIL NO. 520 & 522
- INSTALL 18" RCP STORM DRAIN
- INSTALL 24" RCP STORM DRAIN
- INSTALL 27" RCP STORM DRAIN
- INSTALL 30" RCP STORM DRAIN
- INSTALL 42" RCP STORM DRAIN
- INSTALL 48" RCP STORM DRAIN
- INSTALL 54" RCP STORM DRAIN
- INSTALL 60" TYPE 'C' STORM DRAIN INLET SEE DETAIL ON SHEET D12 AND D17 FOR PROFILE
- CONSTRUCT STORM DRAIN CROSSING SEWER PER DETAIL ON SHEET D14
- CONSTRUCT WATER AND SEWER CROSSING PER M.A.G. STANDARD DETAIL NO. 381 WITH MINIMUM 2' VERTICAL SEPARATION WITH FILL IN SLOTTED

SEWER CONSTRUCTION NOTES

- INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
- INSTALL 8" PVC SEWER MAIN
- INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NOS. 440-1 AND 440-4
- INSTALL 8" PVC SEWER STUB & CAP

WATER CONSTRUCTION NOTES

- INSTALL 24" C900 PVC WATER LINE
- INSTALL 24" BUTTERFLY VALVE
- INSTALL 24" X 24" X 24" TEE
- INSTALL 24" X 24" X 8" TEE
- INSTALL 24" X 24" X 6" TEE
- INSTALL 24" X 24" X 8" X 8" CROSS
- INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- INSTALL 24" 45° BEND
- INSTALL 24" 22.5° BEND
- INSTALL 8" C900 PVC WATER LINE
- INSTALL 8" GATE VALVE
- INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- INSTALL 8" 22.5° BEND
- INSTALL 6" C900 PVC WATER LINE
- INSTALL 6" GATE VALVE
- INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
- INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KIRKMAN STD. DTL. NO. 344
- INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
- INSTALL 12" C900 PVC WATER LINE
- INSTALL 12" 45° BEND

NOTE: ALL NOTES NOT USED ON ALL SHEETS.

BASIS OF BEARINGS

NORTH 001°33'00" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

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SCALE (H) 1"=40'	SCALE (V) 1"=4'	DRAWN BY ENG	CHECKED BY MPB	DATE 8/30/05
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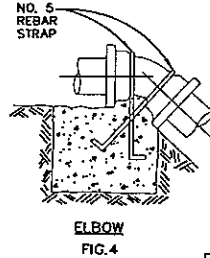
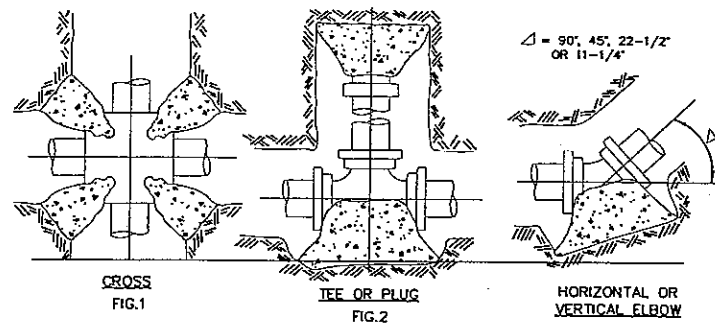
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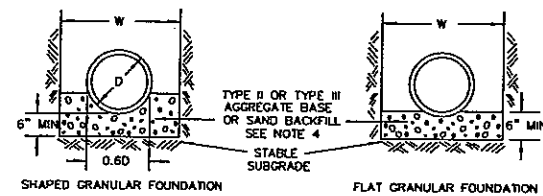
SHEET
UP-13
19 OF 43 SHEETS
SCI PROJECT#
18449.03.03



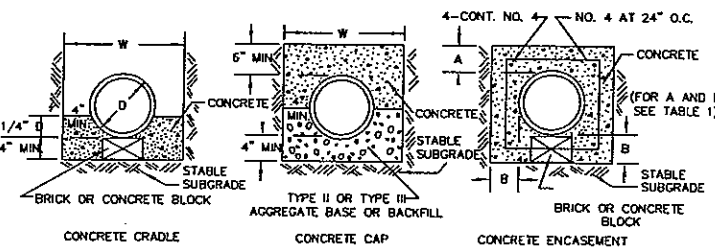
NOTES:

1. ALL FITTINGS AND EXPOSED REBAR TO BE COATED WITH EC 244 AND WRAPPED WITH TWO LAYERS OF 6 MIL. POLYETHYLENE.
2. TABLE BELOW DENOTES MINIMUM BEARING AREA OR VOLUME OF THRUST BLOCK. SPECIAL DESIGN FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 3000 P.S.F.
3. PLACE CONCRETE AGAINST UNDISTURBED EARTH.
4. VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.

SIZE OF PIPE	FIG. 1	FIG. 2	FIG. 3	FIG. 4
4"	2	2	1	1
6"	2	3	2	1
8"	2	5	3	2
10"	3	7	5	3
12"	3	10	8	4
14"	4	14	10	5
16"	4	20	14	7
18"	5	24	16	10
20"	5	28	20	12

A THRUST BLOCK DETAILS
PUBLIC STREET
N.T.S.

CLASS B BEDDING (NORMAL BEDDING)

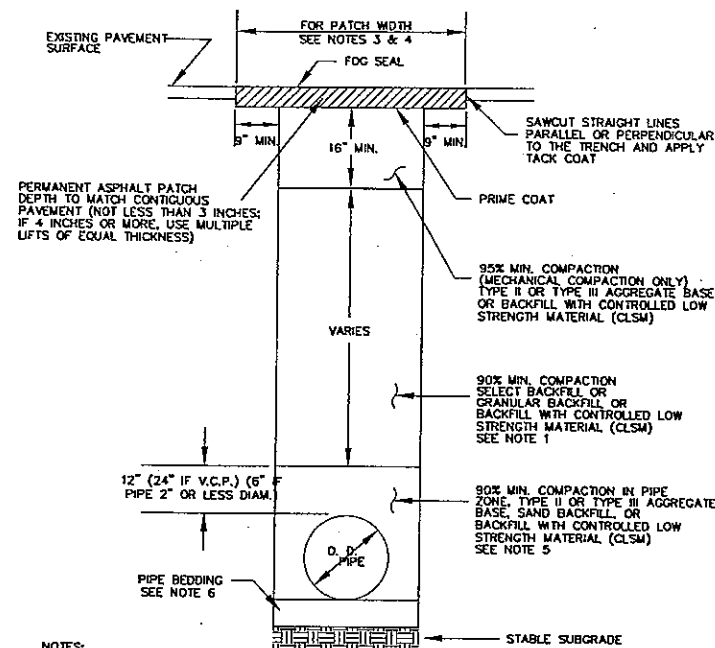


PIPE SIZE	PIPE SIZE	PIPE SIZE	PIPE SIZE
6"	8"	10"	12"
14"	16"	18"	20"
24"	30"	36"	42"

D = OUTSIDE DIAMETER OF PIPE
W = OUTSIDE DIAMETER OF PIPE + 24" MAXIMUM

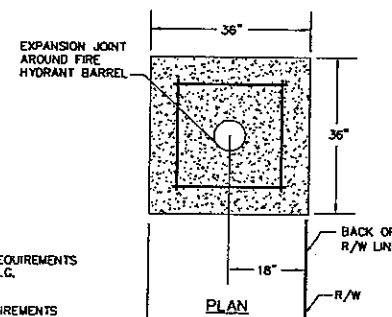
NOTES:

1. PIPE BEDDING TO BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY. SUBGRADE SHALL CONFORM TO RESPECTIVE ENTITY REQUIREMENTS.
2. INDICATED THICKNESS OF BEDDING MATERIAL TO BE CONSTRUCTED UNDER THE BARREL SUBGRADE TO BE EXCAVATED TO PROVIDE 2" CLEARANCE UNDER THE BELL.
3. OTHER BEDDING METHODS MAY BE SPECIFIED OR APPROVED.
4. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY.

B PIPE TRENCH BEDDING METHODS
PUBLIC STREET
N.T.S.

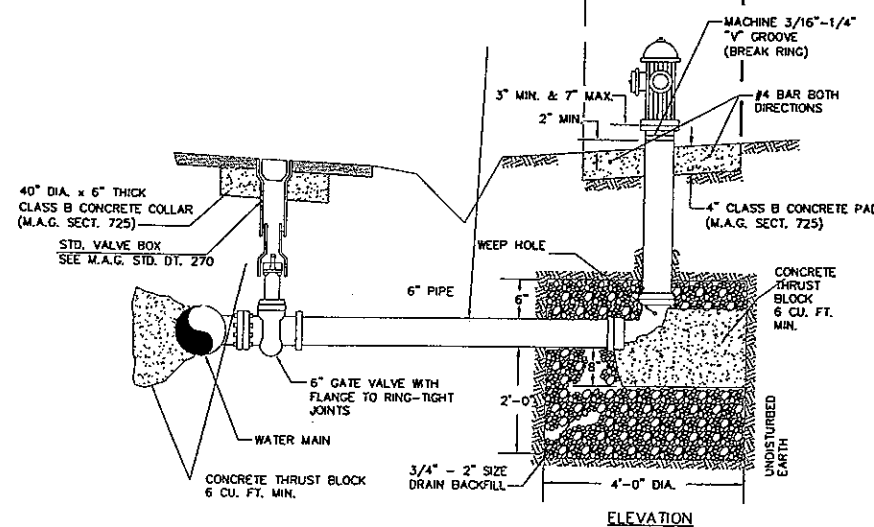
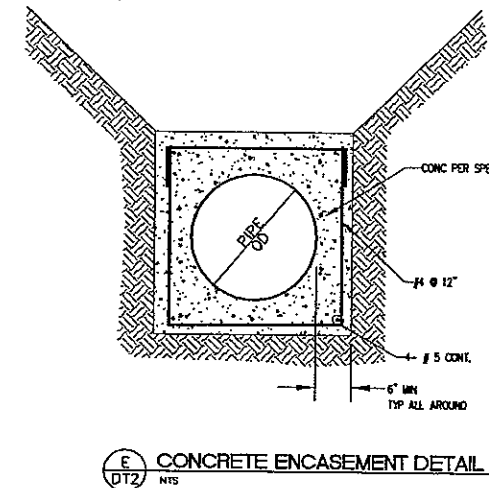
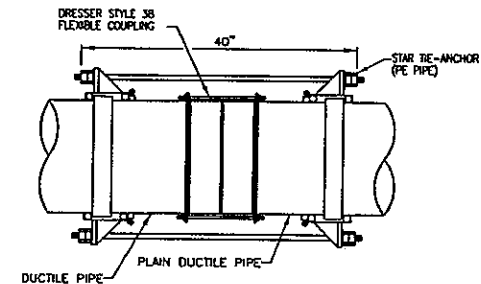
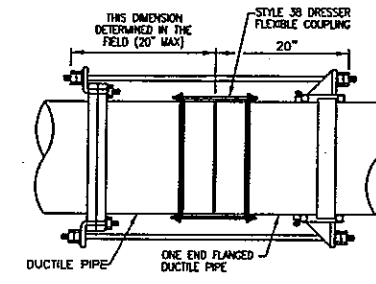
NOTES:

1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
2. IF SAWCUT IS WITHIN THREE FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
3. PATCHES SHALL BE WITH 4 FEET MINIMUM SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE, ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11. SAWCUTS SHALL NOT BE PLACED IN THE WHEEL PATH AREA.
4. FOR CONDUIT TRENCHES 6 INCHES WIDE OR LESS WITHIN 2 FEET OF THE CURB, PATCHES SHALL EXTEND A MINIMUM OF 4 FEET FROM UP OF GUTTER AND PAVEMENT SHALL BE REMOVED TO CURB AND GUTTER. WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE, ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11. SAWCUT SHALL NOT BE PLACED IN WHEEL PATH AREA.
5. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS.
6. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
7. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

C TRENCH BACKFILL DETAIL
PUBLIC STREET
N.T.S.

NOTES:

1. FIRE HYDRANT INSTALLATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 756 AND M.A.G. STANDARD DETAILS NO. 360 AND 361.
2. VALVE BOX INSTALLATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630 AND M.A.G. STANDARD DETAIL 270 AND 391.

D FIRE HYDRANT ASSEMBLY DETAIL
PUBLIC STREET
N.T.S.E CONCRETE ENCASEMENT DETAIL
N.T.S.F FLEXIBLE COUPLING DETAIL - A-P12
NOT TO SCALE

DOUBLE MECHANICAL JOINT

PIPE SIZE	TIE ROD DIA.	NO. TIE RODS REQ'D	TIE BOLT DIA.
8"	1/2"	2	1/2"
10"	1/2"	4	1/2"
12"	1/2"	4	1/2"
14"	1"	4	1"
16"	1"	4	1"
18"	1"	6	1"
24"	1"	10	1"
36"	1"	20	1"

NOTES:

1. PROVIDE TIE RODS WHERE FLEXIBLE COUPLING RESTRAINTS ARE SPECIFIED AND AT ALL OTHER LOCATIONS INDICATED ON THE DRAWINGS.
2. ORIENT AND SPACE TIE RODS AS REQUIRED TO EVENLY DISTRIBUTE PIPE PRESSURE.



DATE	BY	CHECKED	DATE
3/31/06	MPB	MPB	3/31/06

SCALE (H) N.T.S.	SCALE (V) N.T.S.
DRAWN BY ENG	CHECKED BY MPB

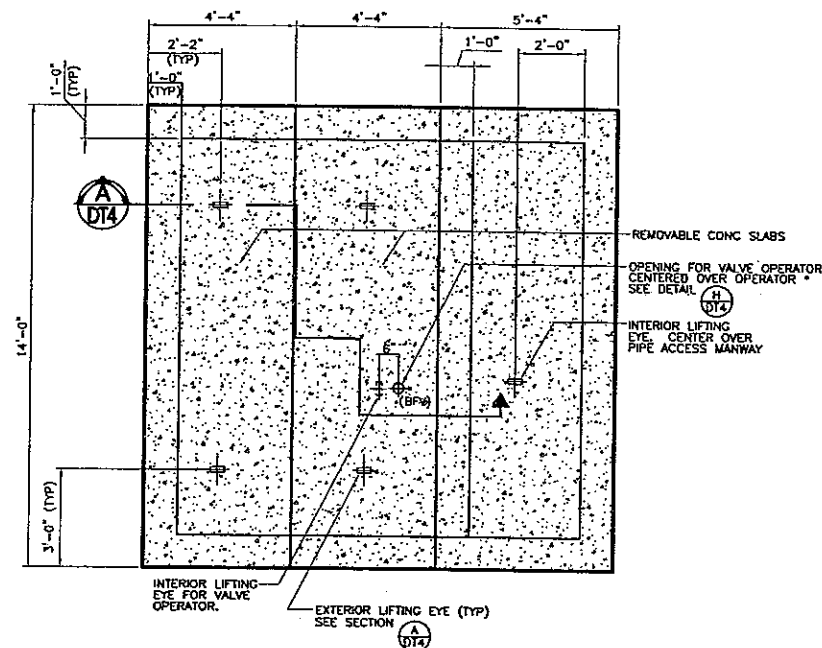
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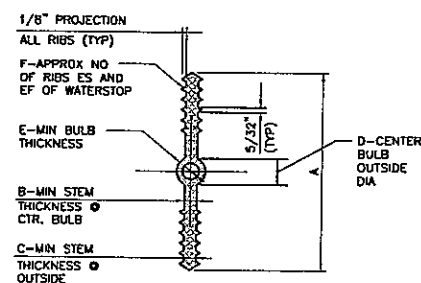
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GOLDEN VALLEY RANCH
WEST LOOP ROAD SECTION 2 IMPROVEMENTS
DETAIL SHEET

ARIZONA
MCNAVE COUNTY

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DT-1
38 OF 43 SHEETS
SCI PROJECT#
18449.03.03



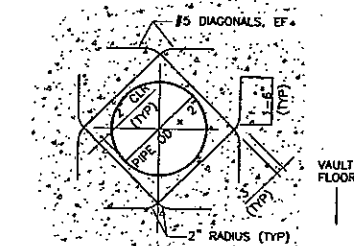
VALVE VAULT ROOF PLAN (A)
NOT TO SCALE PL03-2 011201 DT3



SIZE	A	B	C	D	E	F
6"x3/8"	6"	3/8"	3/8"	7/8"	1/4"	6"

- NOTES**
1. MATERIAL QUALITY PER SPECIFICATIONS.
 2. DIMENSION REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
 3. NON-ROUND CENTER BULBS SHALL HAVE A MIN OUTSIDE DIMENSION OF "D".

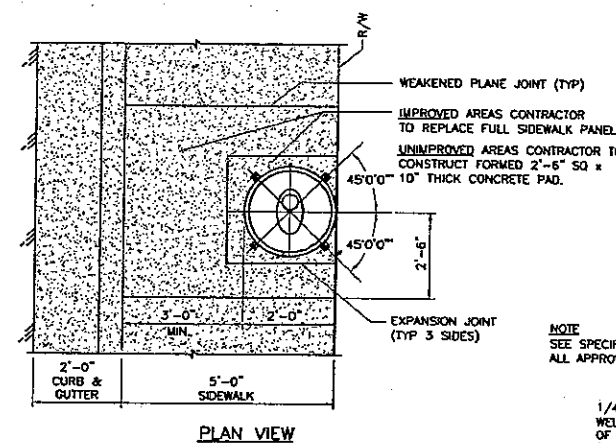
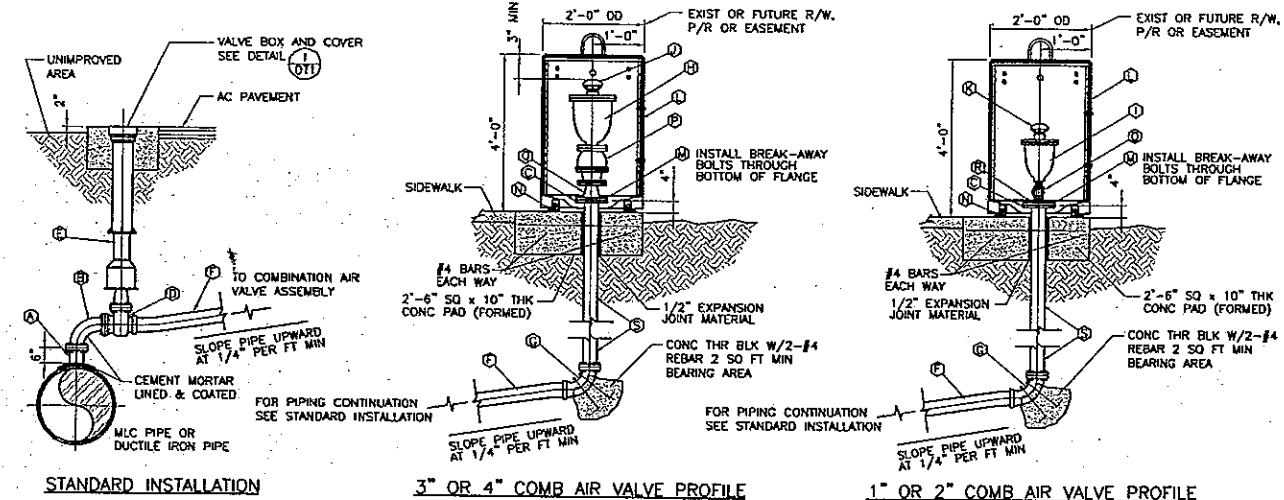
WATERSTOP DETAIL (B)
NOT TO SCALE PL03-3 121099 DT3



WALL OPENING - DIAGONAL REINFORCEMENT DETAIL (C)
NOT TO SCALE PL03-4 022801 DT3

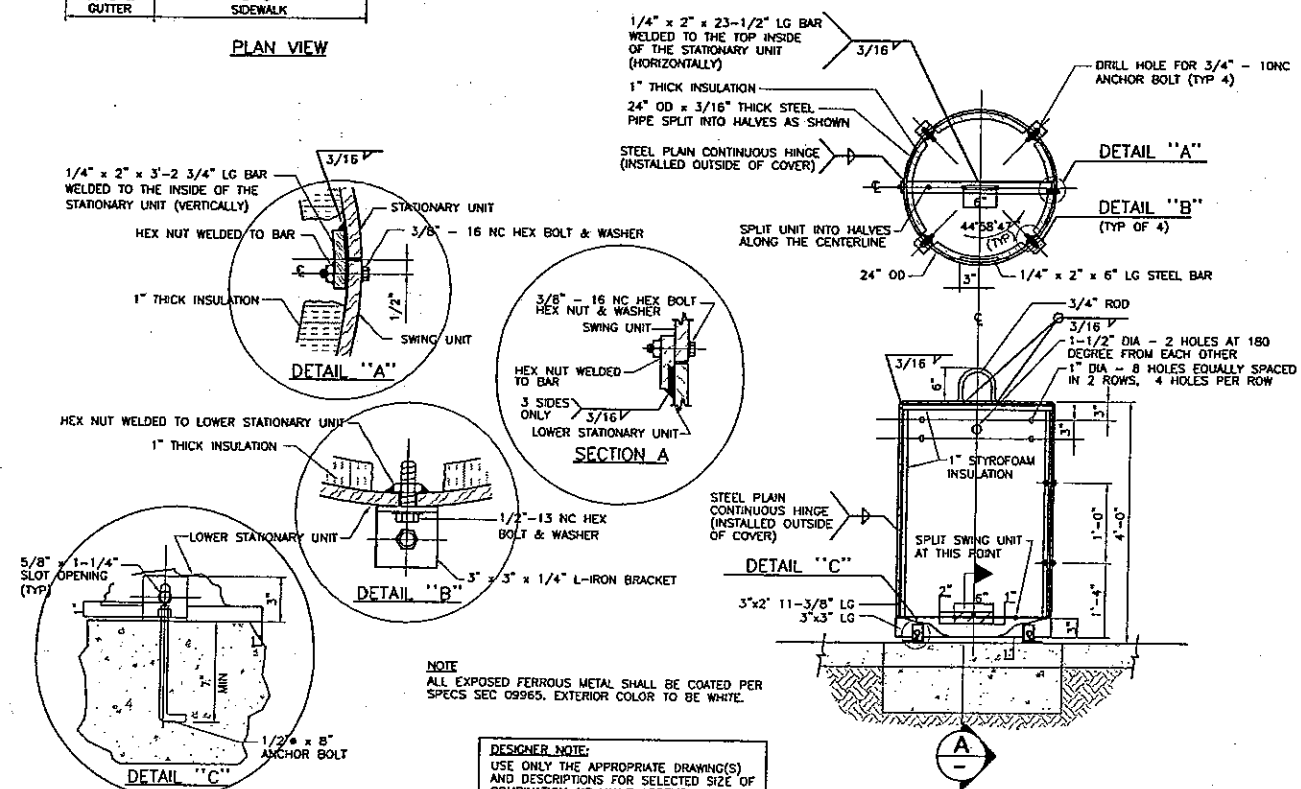
- DETAIL NOTES**
1. CONCRETE FOR VAULT STRUCTURES SHALL BE 4000 PSI, UNLESS OTHERWISE SPECIFIED.
 2. PIPE OUTLET SHALL BE SHAPED TO FIT THE SPECIFIED PIPE DIAMETER.
 3. MAINTAIN A MIN CLEARANCE OF 2" OF COVER FOR REINFORCED STEEL, UNLESS OTHERWISE SPECIFIED.
 4. BACKFILL LIMITS OF VAULT EXCAVATION (INCLUDING BELOW VAULT FLOOR) WITH TYPE II AGGREGATE BASE, COMPACT TO 90% OF MAX DENSITY, UNLESS OTHERWISE SPECIFIED.

DETAIL NOTES (D)
NOT TO SCALE PL03-7 022801 DT3



NOTE
SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS

- LEGEND**
- (A) 4" FLG STL OUTLET FOR MLC STL PIPE, FLG TEE FOR DIP
 - (B) 4" - 90° FLG DUCTILE IRON BEND
 - (C) 4" DUCTILE IRON FLANGE ADAPTOR
 - (D) 4" FLG x PO OR FLG x MJ GATE VALVE W/2" OPERATING NUT
 - (E) VALVE BOX AND COVER - SEE DETAIL (DT1)
 - (F) 4" DUCTILE IRON PC350 PIPE OR 4" PVC CL150 DR18 PIPE
 - (G) 4" - 90° FLG x PO OR FLG x MJ CI BEND
 - (H) 3" OR 4" COMBINATION AIR VALVE, FLANGED INLET
 - (I) 1" OR 2" COMBINATION AIR VALVE, THREADED INLET
 - (J) 3" OR 4" MUSHROOM VENT CAP
 - (K) 1" OR 2" MUSHROOM VENT CAP
 - (L) 2'-0" OD x 4'-0" HIGH STEEL COVER
 - (M) 5/8"-11NC BREAK-AWAY ZINC PLATED HEX HD BOLT, HEX NUT AND LOCKWASHER
 - (N) 1/2" x 8" ANCHOR BOLT
 - (O) 1" OR 2" CORP STOP, THREADED BOTH ENDS
 - (P) 3" OR 4" BALL VALVE - QUARTER TURN - FOR 3" OR 4" COMB AIR VALVE ASSY
 - (Q) 4" x 3" FLG DUCTILE IRON REDUCER - FOR 3" COMB AIR VALVE ASSY
 - (R) 4" x 2" OR 4" x 1" THREADED STL REDUCING FLANGE
 - (S) 4" DUCTILE IRON PC350 PIPE



NOTE
ALL EXPOSED FERROUS METAL SHALL BE COATED PER SPECS SEC 09965. EXTERIOR COLOR TO BE WHITE.

DESIGNER NOTE:
USE ONLY THE APPROPRIATE DRAWING(S) AND DESCRIPTIONS FOR SELECTED SIZE OF COMBINATION AIR VALVE ASSEMBLY.

COMBINATION AIR VALVE ASSEMBLY FOR 1", 2", 3", AND 4" VALVES (E)
NOT TO SCALE PL09-1 021401 DT3



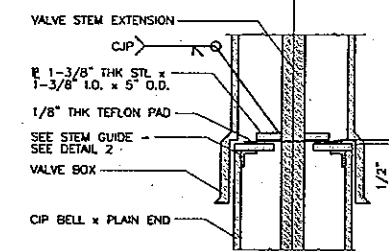
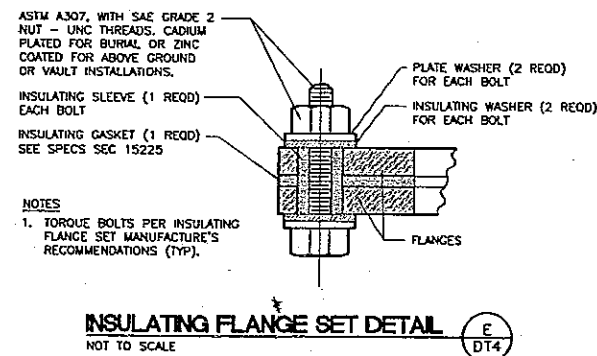
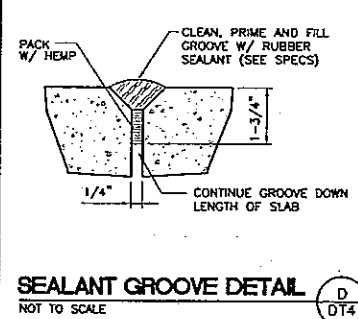
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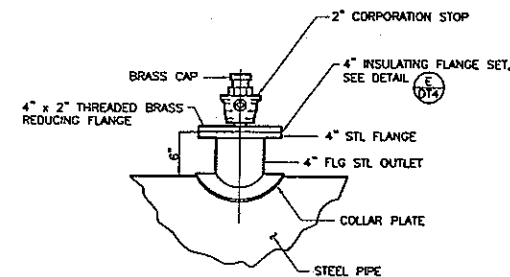


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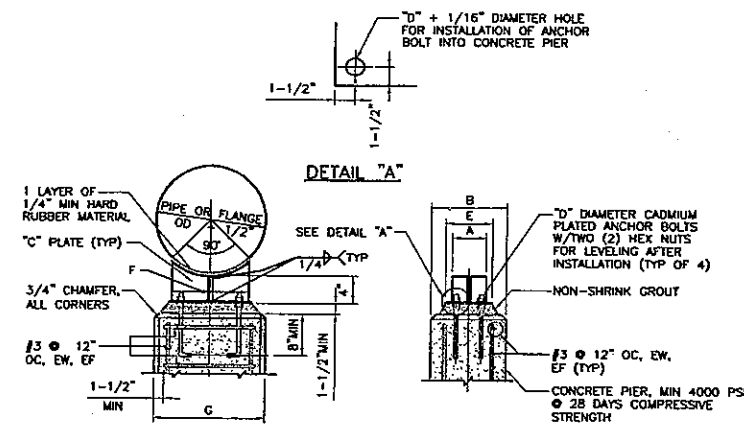
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39 OF 43 SHEETS
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18449.03.03



REMOVABLE CONCRETE SLAB SECTION



CORPORATION STOP DETAIL (F)
NOT TO SCALE PL05-5 020501 DT4



SIDE VIEW

DRILL 9/16" HOLE FOR
INSTALLATION OF ADHESIVE
ANCHOR

ADHESIVE CARTRIDGE, HILTI -
HEP M12-1/2" OR APPROVED
EQUAL. INSTALL CARTRIDGE
PRIOR TO INSTALLATION OF
SS ANCHOR ROD

FLAT BAR BRACKET, DRILL
7/8" x 1-1/4" LONG
HOLES (TYP). SEE TABLE BELOW
FOR FLAT BAR SIZE AND SPACING

1/2" x 6-1/2" SSTL ANCHOR
ROD, HILTI - HAS SS12-612
OR APPROVED EQUAL. INSTALL
SS ANCHOR ROD AND ADHESIVE
CARTRIDGE PER MANUFACTURER'S
SPECIFICATIONS

SHIM WITH SSTL WASHERS
AS REQUIRED

CUT ANCHOR ROD TO ALLOW THREE (3)
THREADS TO PROTRUDE FROM ANCHOR
NUT AS REQUIRED

SEE ANCHOR INSTALLATION

VAULT WALL

LADDER RUNG

LADDER IN VAULT

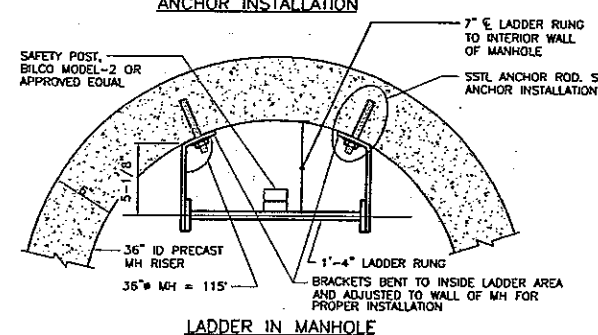
LADDER IN VAULT

NOMINAL PIPE SIZE	<div style="display: flex; justify-content: space-around;"> A B C D E </div>					SUPPORTING			
						STL CYL PIPE		FLANGE	
						F	G	F	G
12"	4"	12"	3/8"	5/8"	6"	10"	14"	14"	18"
16"	4"	12"	3/8"	5/8"	6"	12"	16"	17"	21"
18"	4"	12"	3/8"	5/8"	6"	14"	18"	18"	22"
20"	4"	12"	3/8"	5/8"	6"	16"	20"	20"	24"
24"	4"	12"	3/8"	5/8"	6"	19"	23"	23"	27"
30"	5"	12"	3/8"	3/4"	6"	23"	29"	28"	34"
36"	6"	15"	3/8"	3/4"	6"	27"	33"	33"	39"
42"	6"	18"	1/2"	1"	8"	32"	38"	36"	44"
48"	6"	18"	1/2"	1"	8"	36"	42"	42"	48"
54"	6"	18"	1/2"	1"	8"	40"	46"	47"	53"
60"	6"	18"	1/2"	1"	8"	44"	50"	52"	58"
66"	6"	18"	1/2"	1"	8"	48"	54"	57"	63"
72"	6"	18"	1/2"	1"	8"	52"	58"	62"	68"

PIPE SUPPORT DETAIL

NOT TO SCALE

8
DT4



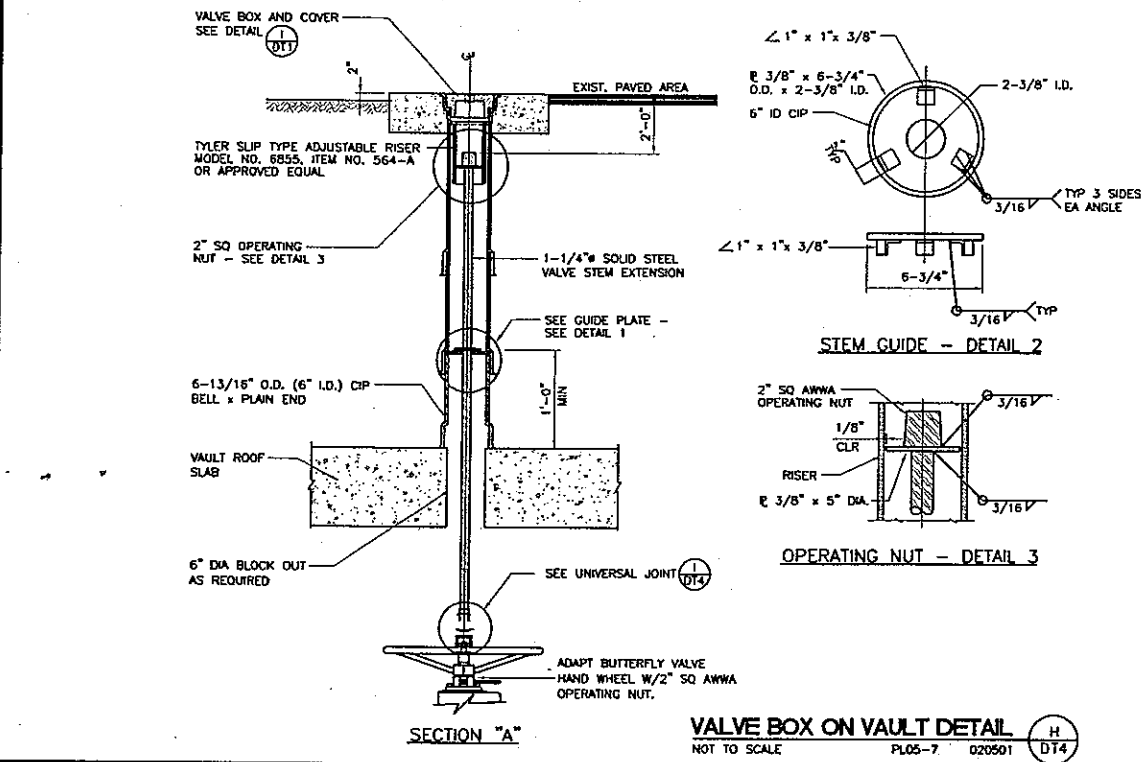
LADDER IN MANHOLE

BRACKET SPACING	FLAT BAR SIZE
5'-0" TO 20'-0" OC MAX	3" x 3/8"
OVER 20'-0"	4" x 1/2"

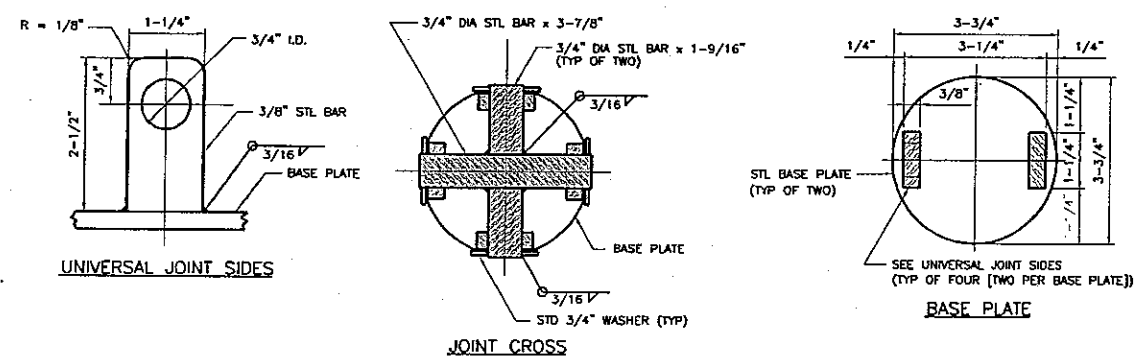
1. LANDING PLATFORM REQUIRED EVERY 20'-0" OF HEIGHT OR FRACTION THEREOF FOR OPEN LADDER, FOR LADDER WITH GAGE, PLATFORM SPACING IS 30'-0" MAX (OSHA 1910.27).
2. APPROVAL OF THE ENGINEER REQUIRED FOR ANY BRACKET SPACING OVER 5'-0" OC (SEE BRACKET SPACING TABLE FOR BAR SIZE).
3. LADDER SHALL BE MADE OF MILD CARBON STEEL WITH 3/4" SMOOTH BAR RUNGS PLUG WELDED TO RUNNERS.
4. GALVANIZE LADDER ASSEMBLY AFTER WELDING.

LADDER INSTALLATION DETAILS

NOT TO SCALE PL05-6 022801 G
DT4

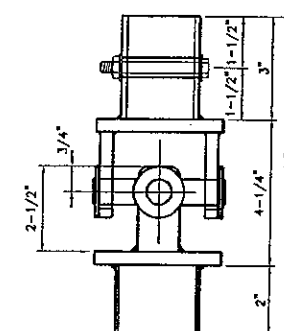


VALVE BOX ON VAULT DETAIL



UNIVERSAL JOINT SIDES

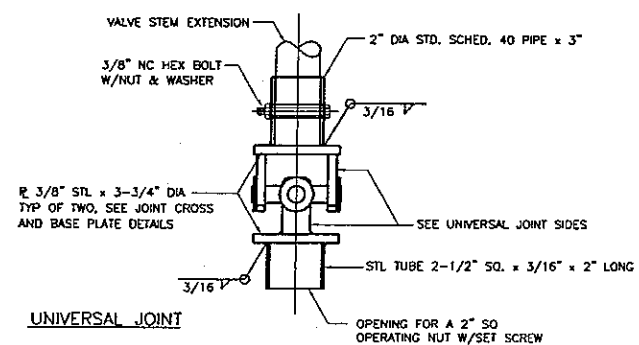
JOINT CROSS



UNIVERSAL JOINT

NOTE
ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.

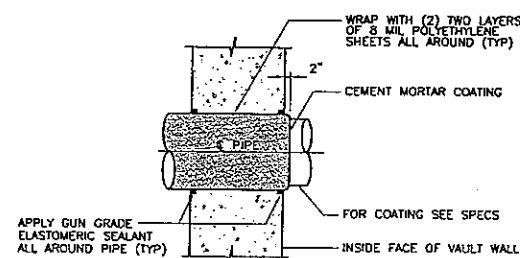
UNIVERSAL JOINT DETAIL (D)



UNIVERSAL JOINT

NOTE
ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.

UNIVERSAL JOINT DETAIL (D)



WALL PENETRATION DETAIL

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SCALE (V) N.T.S.
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DATE 3/31/06

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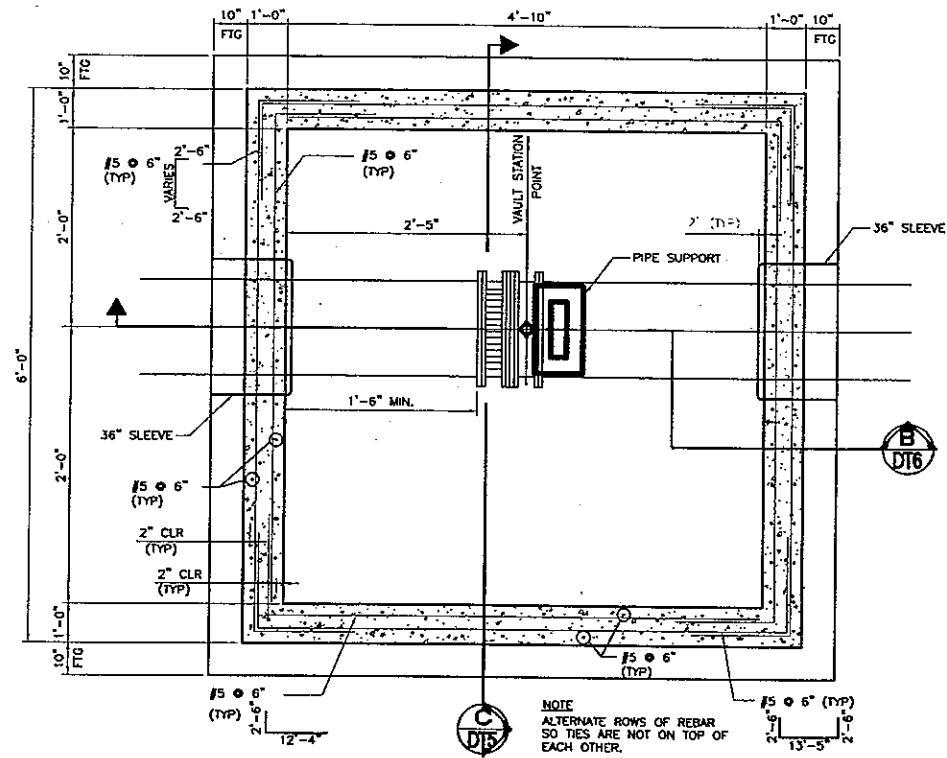

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WEST LOOP ROAD SECTION 2 IMPROVEMENTS
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MOHAVE COUNTY ARIZONA

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18140-03-03

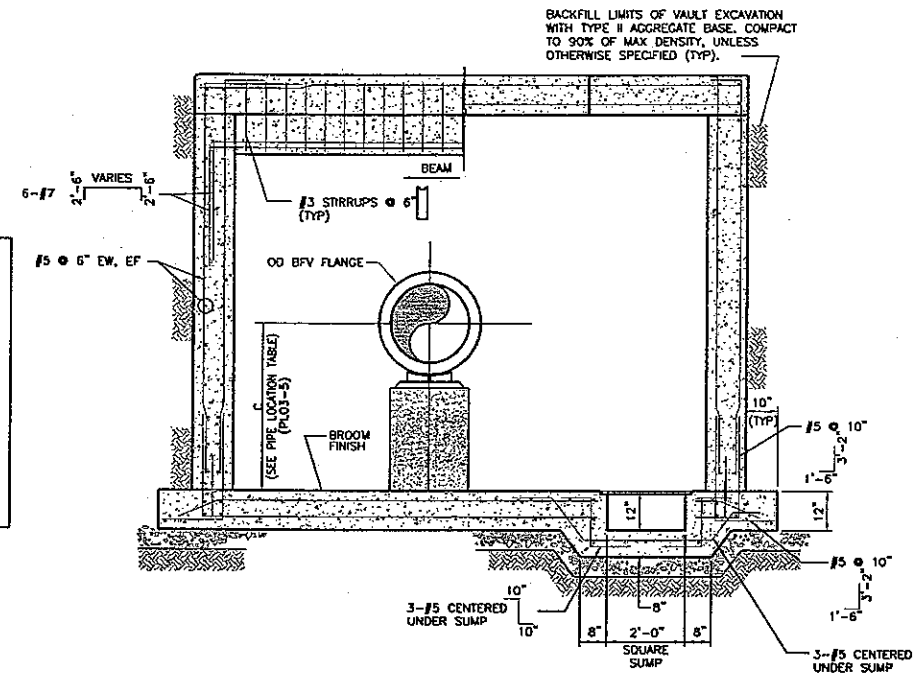


VALVE VAULT SECTIONAL PLAN
WITH (1) VALVE AND NO TEE
NOT TO SCALE

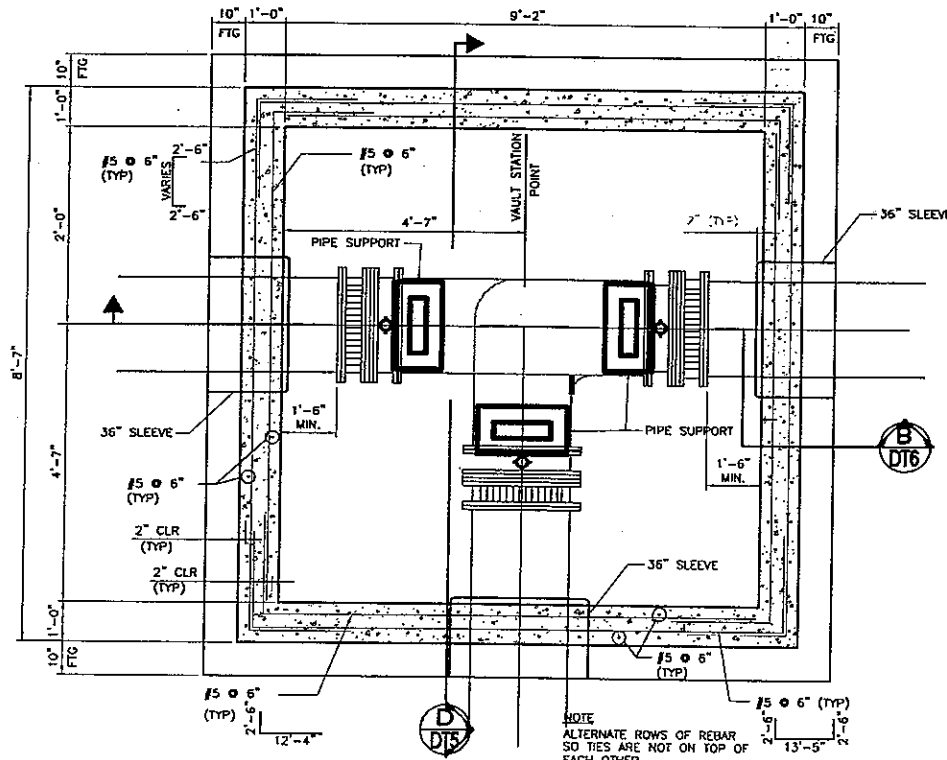
DESIGNER NOTES:

1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO DIMENSIONS ON THE "VAULT DIMENSION TABLE" PLO3-6 AND THE "PIPE LOCATION TABLE" PLO3-5 IN THESE STANDARD DETAILS.

(DESIGNER NOTES TO BE DELETED FROM DRAWING)



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE

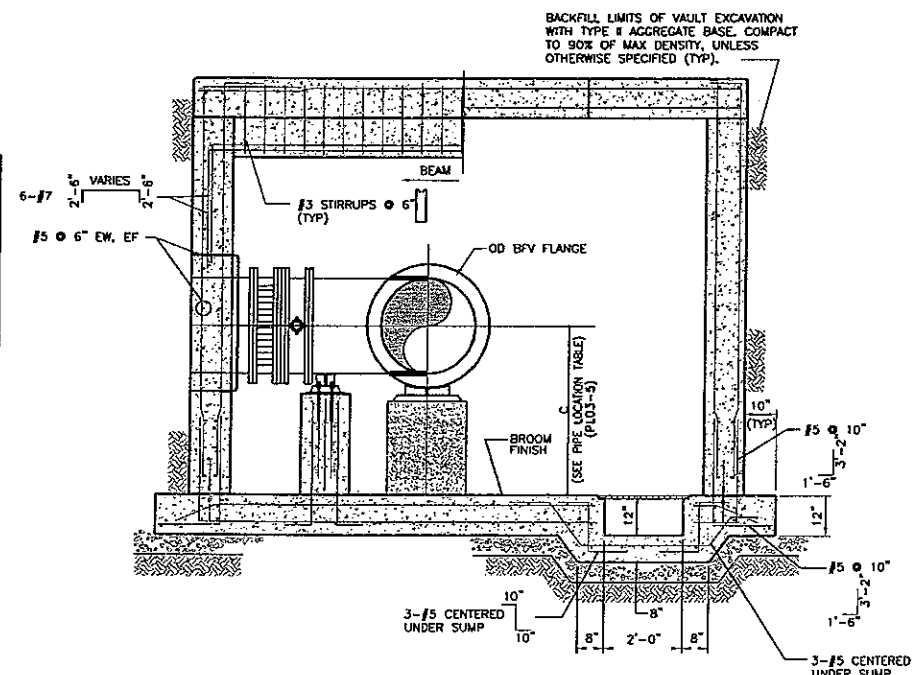


VALVE VAULT SECTIONAL PLAN
WITH (3) VALVE AND TEE
NOT TO SCALE

DESIGNER NOTES:

1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO DIMENSIONS ON THE "VAULT DIMENSION TABLE" PLO3-6 AND THE "PIPE LOCATION TABLE" PLO3-5 IN THESE STANDARD DETAILS.

(DESIGNER NOTES TO BE DELETED FROM DRAWING)



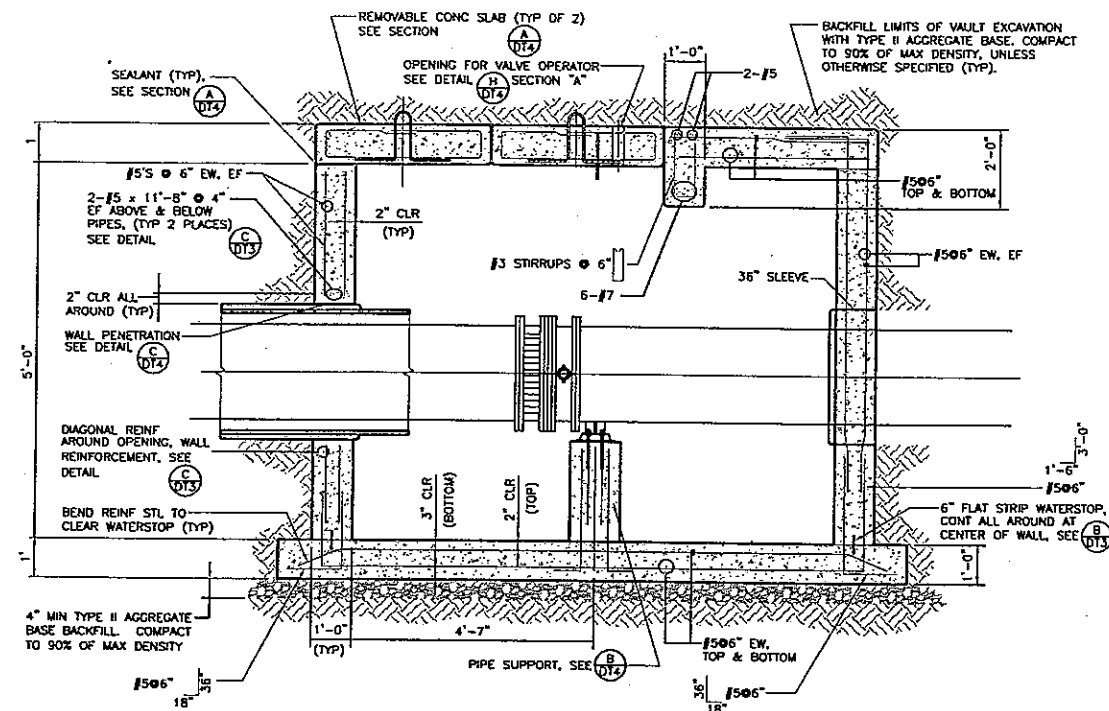
VALVE VAULT SECTION
WITH (3) VALVE AND TEE
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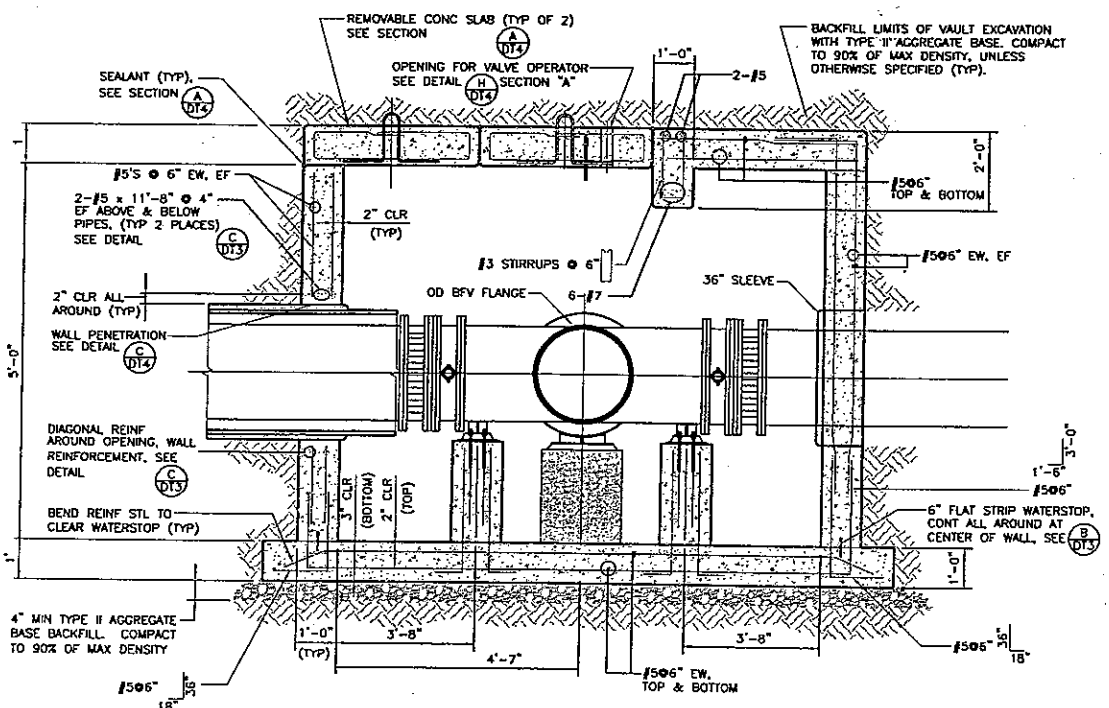
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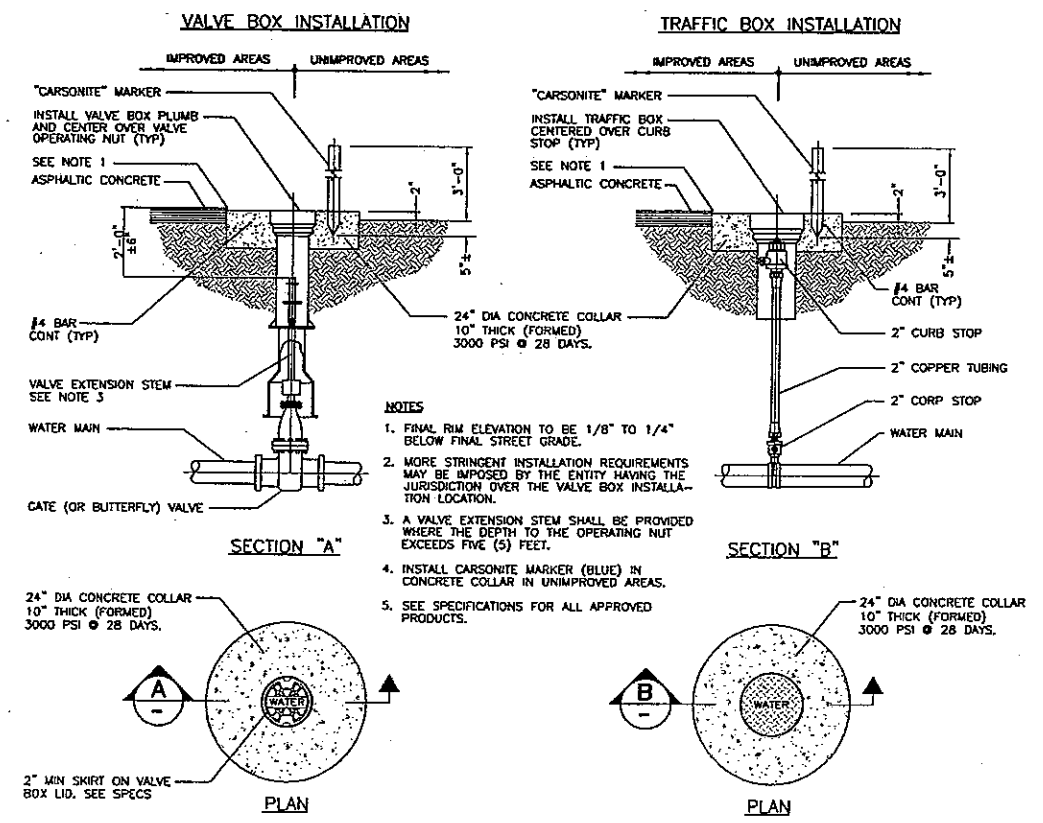
VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE

A
DT6



VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE

B
DT6



VALVE BOX AND TRAFFIC BOX INSTALLATION
NOT TO SCALE

PL10-B 012600
DT1



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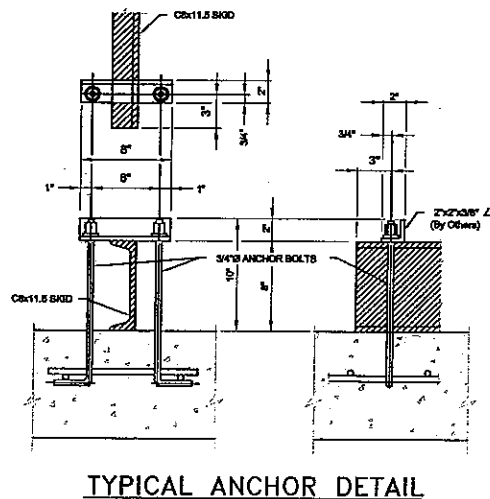
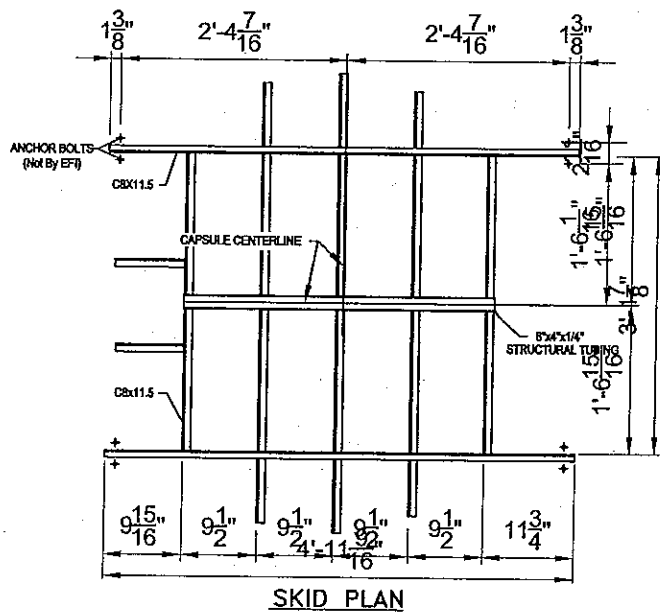
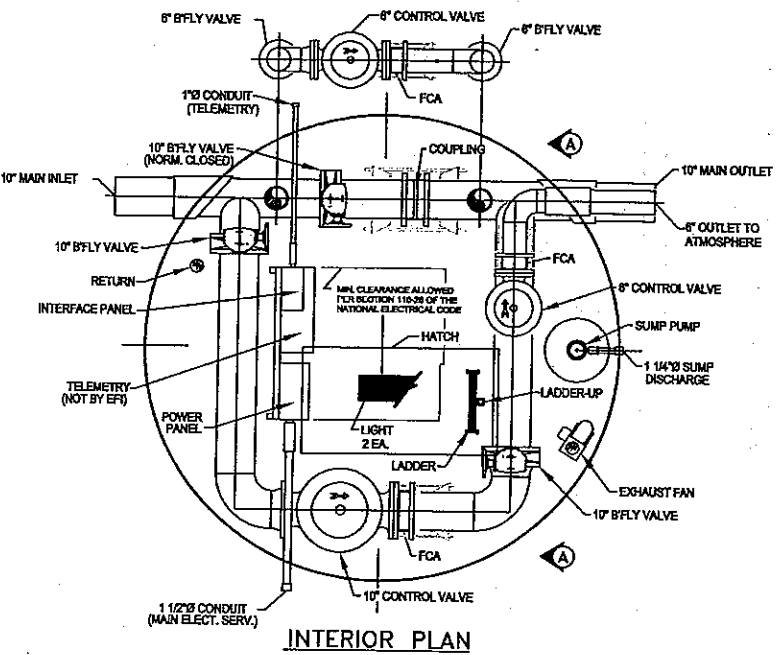
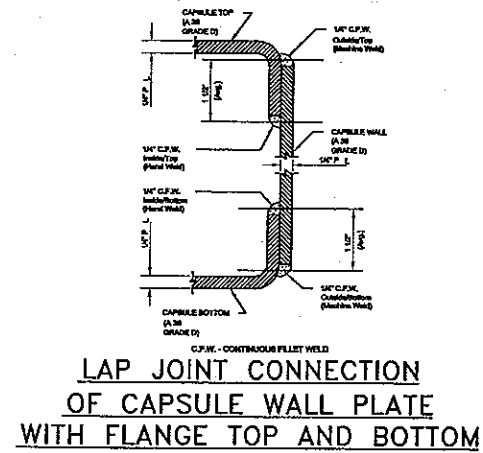
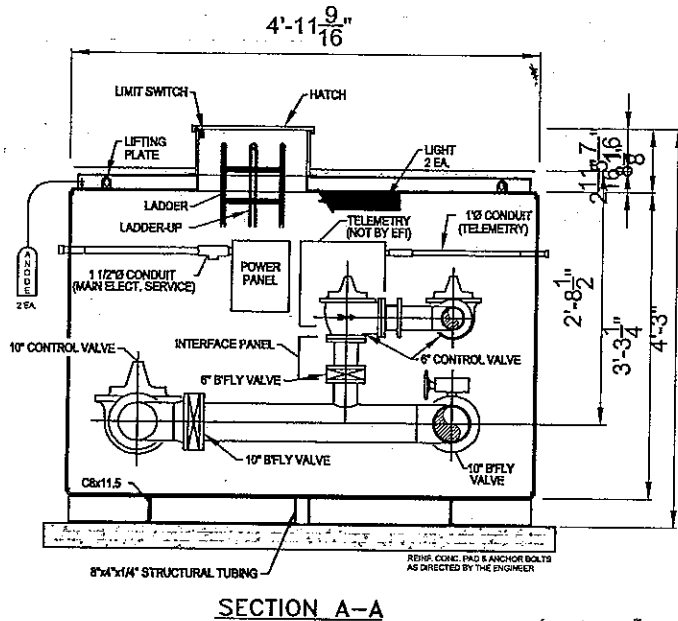
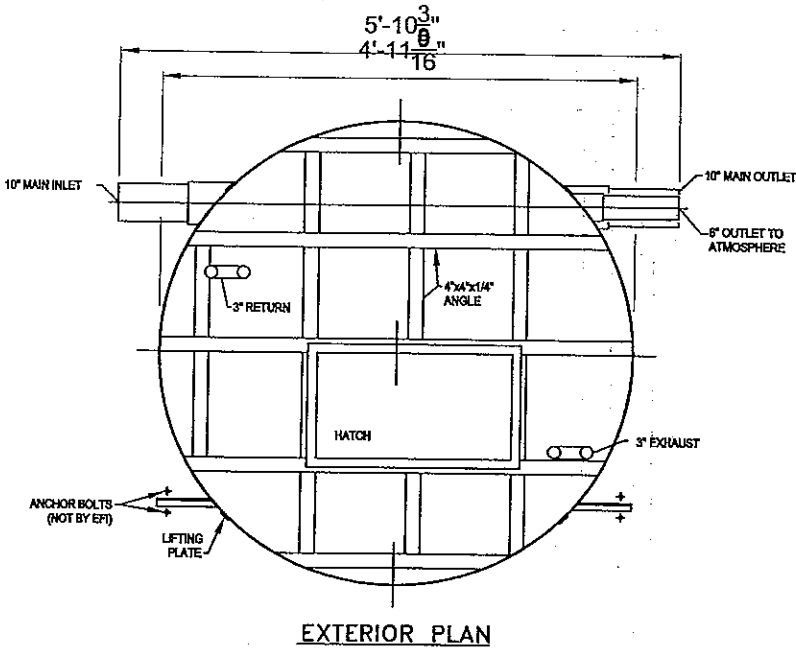
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DT-5
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18449.03.03

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NOTE: FCA - FLANGED COUPLING ADAPTER
EPC - ELASTOMER PIPE CONNECTOR

SCALE: 1/2" = 1'-0"




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PRESSURE REDUCING STATION

GOLDEN VALLEY RANCH, AZ

JOB REF. NO. 8041 DRAWG. NO. P-9041-F-001



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PRV-1
1 OF 40 SHEETS

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